ADTRAN INC
Form 10-Q
August 05, 2016

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q

x Quarterly Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934
For the Quarterly Period Ended June 30, 2016

OR

o Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934
For the Transition Period from to

Commission File Number 0-24612

ADTRAN, Inc.

(Exact name of Registrant as specified in its charter)

| Delaware | 63-0918200 |
| --- | --- |
| (State of Incorporation) | (I.R.S. Employer Identification No.) |

901 Explorer Boulevard, Huntsville, Alabama 35806-2807

(Address of principal executive offices, including zip code)

(256) 963-8000

(Registrant's telephone number, including area code)

Indicate by check mark whether the Registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding twelve months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes x No o

Indicate by check mark whether the Registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulations S-T (232.405 of this chapter) during the preceding 12 months (or for shorter period that the Registrant was required to submit and post such files). Yes x No o

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See definition of “large accelerated filer”, “accelerated filer”, and “smaller reporting company” in Rule 12b-2 of the Exchange Act.

| | | | |
|---|---|---|---|
| Large Accelerated Filer | x | Accelerated Filer | o |
| Non accelerated Filer | o | Smaller Reporting Company | o |

Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes o No x

Indicate the number of shares outstanding of each of the issuer's classes of Common Stock, as of the latest practicable date:

| Class | Outstanding at July22, 2016 |
|---|---|
| Common Stock, $.01 Par Value | 48,398,992 Shares |

ADTRAN, Inc.

Quarterly Report on Form 10-Q

For the Three and Six Months Ended June 30, 2016

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FORWARD LOOKING STATEMENTS

The Private Securities Litigation Reform Act of 1995 provides a safe harbor for forward-looking statements made by or on behalf of ADTRAN. ADTRAN and its representatives may from time to time make written or oral forward-looking statements, including statements contained in this report, our other filings with the Securities and Exchange Commission (SEC) and other communications with our stockholders. Generally, the words, "believe," "expect," "intend," "estimate," "anticipate," "will," "may," "could" and similar expressions identify forward-looking statements. We cau you that any forward-looking statements made by us or on our behalf are subject to uncertainties and other factors that could cause such statements to be wrong. A list of factors that could materially affect our business, financial condition or operating results is included under "Factors that Could Affect Our Future Results" in "Management's Discussion and Analysis of Financial Condition and Results of Operations" contained in Item 2 of Part I of this report. They have also

been discussed in Item 1A of Part I in our most recent Annual Report on Form 10-K for the year ended December 31, 2015 filed on February 24, 2016 with the SEC. Though we have attempted to list comprehensively these important factors, we caution investors that other factors may prove to be important in the future in affecting our operating results. New factors emerge from time to time, and it is not possible for us to predict all of these factors, nor can we assess the impact each factor or a combination of factors may have on our business.

You are further cautioned not to place undue reliance on these forward-looking statements because they speak only of our views as of the date that the statements were made. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

PART I. FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS

ADTRAN, INC.

CONSOLIDATED BALANCE SHEETS

(Unaudited)

(In thousands, except per share amounts)

| | June 30, 2016 | December 31, 2015 |
|---|---|---|
| ASSETS | | |
| Current Assets | | |
| Cash and cash equivalents | $70,914 | $84,550 |
| Short-term investments | 50,867 | 34,396 |
| Accounts receivable, less allowance for doubtful accounts of $19 at June 30, 2016 and December 31, 2015 | 89,386 | 71,917 |
| Other receivables | 11,676 | 19,321 |
| Income tax receivable, net | 2,405 | - |
| Inventory, net | 86,936 | 91,533 |
| Prepaid expenses and other current assets | 13,563 | 10,145 |
| Deferred tax assets, net | 18,488 | 18,924 |
| Total Current Assets | 344,235 | 330,786 |
| Property, plant and equipment, net | 74,115 | 73,233 |
| Deferred tax assets, net | 19,127 | 18,091 |
| Goodwill | 3,492 | 3,492 |
| Other assets | 9,340 | 9,276 |
| Long-term investments | 186,249 | 198,026 |
| Total Assets | $636,558 | $632,904 |
| LIABILITIES AND STOCKHOLDERS' EQUITY | | |
| Current Liabilities | | |
| Accounts payable | $59,211 | $48,668 |
| Unearned revenue | 15,982 | 16,615 |
| Accrued expenses | 12,126 | 12,108 |
| Accrued wages and benefits | 15,702 | 12,857 |
| Income tax payable, net | - | 2,395 |
| Total Current Liabilities | 103,021 | 92,643 |
| Non-current unearned revenue | 6,437 | 7,965 |
| Other non-current liabilities | 25,476 | 24,236 |
| Bonds payable | 27,900 | 27,900 |
| Total Liabilities | 162,834 | 152,744 |
| Commitments and contingencies (see Note 13) | | |

| | | |
|---|---|---|
| Stockholders' Equity | | |
| Common stock, par value $0.01 per share; 200,000 shares authorized; 79,652 shares issued and 48,712 shares outstanding at June 30, 2016 and 79,652 shares issued and 49,558 shares outstanding at December 31, 2015 | 797 | 797 |
| Additional paid-in capital | 249,851 | 246,879 |
| Accumulated other comprehensive loss | (8,695) | (8,969) |
| Retained earnings | 912,536 | 906,772 |
| Less treasury stock at cost: 30,940 and 30,094 shares at June 30, 2016 and December 31, 2015, respectively | (680,765) | (665,319) |
| Total Stockholders' Equity | 473,724 | 480,160 |
| Total Liabilities and Stockholders' Equity | $636,558 | $632,904 |

See notes to consolidated financial statements

ADTRAN, INC.

CONSOLIDATED STATEMENTS OF INCOME

(Unaudited)

(In thousands, except per share amounts)

| | Three Months Ended | | Six Months Ended | |
|---|---|---|---|---|
| | June 30, 2016 | 2015 | June 30, 2016 | 2015 |
| Sales | | | | |
| Products | $138,549 | $144,098 | $262,432 | $273,603 |
| Services | 24,152 | 16,040 | 42,473 | 29,370 |
| Total Sales | 162,701 | 160,138 | 304,905 | 302,973 |
| Cost of sales | | | | |
| Products | 67,844 | 84,210 | 131,917 | 155,770 |
| Services | 15,902 | 7,682 | 28,239 | 13,394 |
| Total Cost of Sales | 83,746 | 91,892 | 160,156 | 169,164 |
| Gross Profit | 78,955 | 68,246 | 144,749 | 133,809 |
| Selling, general and administrative expenses | 32,866 | 32,123 | 63,651 | 63,187 |
| Research and development expenses | 31,277 | 35,479 | 60,765 | 68,015 |
| Operating Income | 14,812 | 644 | 20,333 | 2,607 |
| Interest and dividend income | 927 | 908 | 1,782 | 1,841 |
| Interest expense | (142) | (149) | (287) | (297) |
| Net realized investment gain | 1,110 | 3,255 | 2,838 | 6,370 |
| Other expense, net | (251) | (547) | (132) | (900) |
| Income before provision for income taxes | 16,456 | 4,111 | 24,534 | 9,621 |
| Provision for income taxes | (6,228) | (1,567) | (9,292) | (3,760) |
| Net Income | $10,228 | $2,544 | $15,242 | $5,861 |
| Weighted average shares outstanding – basic | 48,831 | 51,822 | 49,026 | 52,607 |
| Weighted average shares outstanding – diluted | 49,048 | 51,917 | 49,218 | 52,742 |
| Earnings per common share – basic | $0.21 | $0.05 | $0.31 | $0.11 |
| Earnings per common share – diluted | $0.21 | $0.05 | $0.31 | $0.11 |
| Dividend per share | $0.09 | $0.09 | $0.18 | $0.18 |

See notes to consolidated financial statements

ADTRAN, INC.

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(Unaudited)

(In thousands)

| | Three Months Ended | | Six Months Ended | |
|---|---|---|---|---|
| | June 30, 2016 | 2015 | June 30, 2016 | 2015 |
| Net Income | $10,228 | $2,544 | $15,242 | $5,861 |
| Other Comprehensive Income (Loss), net of tax: | | | | |
| Net unrealized losses on available-for-sale securities | (165) | (1,783) | (420) | (2,286) |
| Defined benefit plan adjustments | 22 | 72 | 67 | 140 |
| Foreign currency translation | (601) | 872 | 627 | (2,446) |
| Other Comprehensive Income (Loss), net of tax | (744) | (839) | 274 | (4,592) |
| Comprehensive Income, net of tax | $9,484 | $1,705 | $15,516 | $1,269 |

See notes to consolidated financial statements

ADTRAN, INC.

CONSOLIDATED STATEMENTS OF CASH FLOWS

(Unaudited)

(In thousands)

| | Six Months Ended | |
|---|---|---|
| | June 30, 2016 | 2015 |
| Cash flows from operating activities: | | |
| Net income | $15,242 | $5,861 |
| Adjustments to reconcile net income to net cash provided by operating activities: | | |
| Depreciation and amortization | 6,689 | 7,256 |
| Amortization of net premium on available-for-sale investments | 376 | 1,578 |
| Net realized investment gain | (2,838) | (6,370) |
| Net loss on disposal of property, plant and equipment | 5 | 160 |
| Stock-based compensation expense | 3,109 | 3,114 |
| Deferred income taxes | (354) | (1,743) |
| Tax benefit from stock option exercises | - | (23) |
| Excess tax benefits from stock-based compensation arrangements | - | 38 |
| Changes in operating assets and liabilities: | | |
| Accounts receivable, net | (17,192) | (2,003) |
| Other receivables | 7,876 | (119) |
| Inventory | 4,938 | (14,254) |
| Prepaid expenses and other assets | (4,263) | (1,433) |
| Accounts payable | 10,354 | 30,938 |
| Accrued expenses and other liabilities | 1,474 | 2,175 |
| Income tax payable/receivable, net | (4,799) | (3,961) |
| Net cash provided by operating activities | 20,617 | 21,214 |
| Cash flows from investing activities: | | |
| Purchases of property, plant and equipment | (6,679) | (5,392) |
| Proceeds from disposals of property, plant and equipment | - | 8 |
| Proceeds from sales and maturities of available-for-sale investments | 109,993 | 120,422 |
| Purchases of available-for-sale investments | (112,903) | (62,626) |
| Net cash provided by (used in) investing activities | (9,589) | 52,412 |
| Cash flows from financing activities: | | |
| Proceeds from stock option exercises | 541 | 833 |
| Purchases of treasury stock | (16,579) | (49,307) |
| Dividend payments | (8,860) | (9,509) |
| Excess tax benefits from stock-based compensation arrangements | - | (38) |
| Net cash used in financing activities | (24,898) | (58,021) |
| Net increase (decrease) in cash and cash equivalents | (13,870) | 15,605 |
| Effect of exchange rate changes | 234 | (1,829) |
| Cash and cash equivalents, beginning of period | 84,550 | 73,439 |

| | | |
|---|---|---|
| Cash and cash equivalents, end of period | $70,914 | $87,215 |
| Supplemental disclosure of non-cash investing activities: | | |
| Purchases of property, plant and equipment included in accounts payable | $554 | $270 |

See notes to consolidated financial statements

ADTRAN, INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(Unaudited)

(In thousands, except per share amounts)

## 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### Basis of Presentation

The accompanying unaudited consolidated financial statements of ADTRAN®, Inc. and its subsidiaries (ADTRAN) have been prepared pursuant to the rules and regulations for reporting on Quarterly Reports on Form 10-Q. Accordingly, certain information and notes required by generally accepted accounting principles for complete financial statements are not included herein. The December 31, 2015 Consolidated Balance Sheet is derived from audited financial statements, but does not include all disclosures required by accounting principles generally accepted in the United States.

In the opinion of management, all adjustments necessary to fairly state these interim statements have been recorded and are of a normal and recurring nature. The results of operations for an interim period are not necessarily indicative of the results for the full year. The interim statements should be read in conjunction with the financial statements and notes thereto included in ADTRAN's Annual Report on Form 10-K for the year ended December 31, 2015, filed on February 24, 2016 with the SEC.

### Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenue and expense during the reporting period. Our more significant estimates include the obsolete and excess inventory reserves, warranty reserves, customer rebates, determination of the deferred revenue components of multiple element sales agreements, estimated costs to complete obligations associated with deferred revenues, estimated income tax provision and income tax contingencies, the fair value of stock-based compensation, impairment of goodwill, valuation and estimated lives of intangible assets, estimated pension liability, fair value of investments, and the evaluation of other-than-temporary declines in the value of investments. Actual amounts could differ significantly from these estimates.

### Recent Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update No. 2014-09, Revenue from Contracts with Customers (Topic 606) (ASU 2014-09), which supersedes the revenue recognition requirements in Topic 605, Revenue Recognition, including most industry-specific revenue recognition guidance throughout the Industry Topics of the Codification. The core principle of ASU 2014-09 is to recognize revenues when promised goods or services are transferred to customers in an amount that reflects the consideration that is expected to be received for those goods or services. In August 2015, the FASB issued ASU 2015-14, which deferred the effective date of ASU 2014-09 to fiscal years beginning after December 31, 2017, and interim periods within those fiscal years,

with early adoption permitted for reporting periods beginning after December 15, 2016. Subsequently, the FASB issued ASUs in 2016 containing implementation guidance related to ASU 2014-09, including: ASU 2016-08, Revenue from Contracts with Customers (Topic 606): Principal versus Agent Considerations (Reporting Revenue Gross versus Net), which is intended to improve the operability and understandability of the implementation guidance on principal versus agent considerations; ASU 2016-10, Revenue from Contracts with Customers (Topic 606): Identifying Performance Obligations and Licensing, which is intended to clarify two aspects of Topic 606: identifying performance obligations and the licensing implementation guidance; and ASU 2016-12, Revenue from Contracts with Customers (Topic 606): Narrow-Scope Improvements and Practical Expedients, which contains certain provisions and practical expedients in response to identified implementation issues. ASU 2014-09 allows for either full retrospective or modified retrospective adoption. We plan to adopt ASU 2014-09 and the related ASUs on January 1, 2018, and we are currently evaluating the transition method that will be elected and the impact that the adoption of ASU 2014-09 will have on our financial position, results of operations and cash flows.

In July 2015, the FASB issued Accounting Standards Update No. 2015-11, Inventory (Topic 330): Simplifying the Measurement of Inventory (ASU 2015-11). Currently, Topic 330, Inventory, requires an entity to measure inventory at the lower of cost or market. Market could be replacement cost, net realizable value, or net realizable value less an approximately normal profit margin. ASU 2015-11 does not apply to inventory that is measured using last-in, first-out (LIFO) or the retail inventory method. The amendments apply to all other inventory, which includes inventory that is measured using first-in, first-out (FIFO) or average cost. ASU 2015-11 requires an entity to measure in scope inventory at the lower of cost and net realizable value. Net realizable value is the estimated selling prices in the ordinary course of business, less reasonably predictable costs of completion, disposal, and transportation. ASU 2015-11 is effective for annual reporting periods beginning after December 15, 2016, including interim periods within that reporting period. The amendments should be applied prospectively with earlier application permitted as of the beginning of an interim or annual reporting period. We do not believe the adoption of ASU 2015-05 will have a material impact on our financial position, results of operations and cash flows.

In November 2015, the FASB issued Accounting Standards Update No. 2015-17, Balance Sheet Classification of Deferred Taxes (ASU 2015-17). ASU 2015-17 amends the existing guidance on income taxes to require the classification of all deferred tax assets and liabilities as non-current on the balance sheet. ASU 2015-17 is effective for fiscal years beginning after December 15, 2016, including interim periods within those years. Early adoption is permitted. The guidance may be applied either prospectively, for all deferred tax assets and liabilities, or retrospectively to all periods presented. We have not selected a transition method or determined whether to early adopt ASU 2015-17 in 2016. Other than the revised balance sheet presentation of current deferred tax assets and liabilities, we do not believe the adoption of ASU 2015-17 will have a material impact on our financial position, results of operations and cash flows.

In February 2016, the FASB issued Accounting Standards Update No. 2016-02, Leases (Topic 842) (ASU 2016-02). ASU 2016-02 requires an entity to recognize lease assets and lease liabilities on the balance sheet and to disclose key information about the entity's leasing arrangements. ASU 2016-02 is effective for fiscal years beginning after December 15, 2018, and interim periods within those fiscal years, with early adoption permitted. A modified retrospective approach is required. We are currently evaluating the impact that the adoption of ASU 2016-02 will have on our financial position, results of operations and cash flows.

In March 2016, the FASB issued Accounting Standards Update No. 2016-09, Compensation – Stock Compensation (Topic 718): Improvements to Employee Share-Based Payment Accounting (ASU 2016-09). ASU 2016-09 simplifies several aspects of accounting for share-based compensation arrangements, including income tax effects, the classification of tax-related cash flows on the statement of cash flows, and accounting for forfeitures. ASU 2016-09 is effective for fiscal years beginning after December 15, 2016, including interim periods within those years. Early adoption is permitted. We are currently evaluating the impact that the adoption of ASU 2016-09 will have on our financial position, results of operations and cash flows.

During the first quarter of 2016, we adopted the following accounting standards, which had no material effect on our financial position, results of operations or cash flows:

In April 2015, the FASB issued Accounting Standards Update No. 2015-05, Intangibles – Goodwill and Other – Internal-Use Software (Subtopic 350-40): Customer’s Accounting for Fees Paid in a Cloud Computing Arrangement (ASU 2015-05), which provides guidance on accounting for fees paid by a customer in a cloud computing arrangement. If a cloud computing arrangement includes a software license, then the customer should account for the software license element of the arrangement consistent with the acquisition of other software licenses. If a cloud computing arrangement does not include a software license, the customer should account for the arrangement as a service contract. ASU 2015-05 is effective for annual reporting periods beginning after December 15, 2015, including interim periods within that reporting period. The amendments may be applied either prospectively to all arrangements

entered into or materially modified after the effective date or retrospectively. We adopted ASU 2015-05 during the first quarter of 2016 and will apply the new standard prospectively. The adoption of ASU 2015-05 did not have a material impact on our financial position, results of operations and cash flows.

2. INCOME TAXES

Our effective tax rate decreased from 39.1% in the six months ended June 30, 2015 to 37.9% in the six months ended June 30, 2016. The decrease in the effective tax rate between the two periods is primarily attributable to the research and development tax credit being made permanent.

3. PENSION BENEFIT PLAN

We maintain a defined benefit pension plan covering employees in certain foreign countries.

The following table summarizes the components of net periodic pension cost for the three and six months ended June 30, 2016 and 2015:

| | Three Months Ended | | Six Months Ended | |
|---|---|---|---|---|
| | June 30, | | June 30, | |
| (In thousands) | 2016 | 2015 | 2016 | 2015 |
| Service cost | $310 | $324 | $607 | $664 |
| Interest cost | 184 | 152 | 360 | 311 |
| Expected return on plan assets | (271) | (250) | (530) | (511) |
| Amortization of actuarial losses | 45 | 100 | 88 | 205 |
| Net periodic pension cost | $268 | $326 | $525 | $669 |

4. STOCK-BASED COMPENSATION

The following table summarizes the stock-based compensation expense related to stock options, restricted stock units (RSUs) and restricted stock for the three and six months ended June 30, 2016 and 2015, which was recognized as follows:

| | Three Months Ended | | Six Months Ended | |
|---|---|---|---|---|
| | June 30, | | June 30, | |
| (In thousands) | 2016 | 2015 | 2016 | 2015 |
| Stock-based compensation expense included in cost of sales | $95 | $53 | $194 | $143 |
| Selling, general and administrative expense | 788 | 723 | 1,557 | 1,414 |
| Research and development expense | 668 | 699 | 1,358 | 1,557 |
| Stock-based compensation expense included in operating expenses | 1,456 | 1,422 | 2,915 | 2,971 |
| Total stock-based compensation expense | 1,551 | 1,475 | 3,109 | 3,114 |
| Tax benefit for expense associated with non-qualified options | (213) | (222) | (425) | (402) |
| Total stock-based compensation expense, net of tax | $1,338 | $1,253 | $2,684 | $2,712 |

The fair value of our stock options is estimated using the Black-Scholes model. The determination of the fair value of stock options on the date of grant using the Black-Scholes model is affected by our stock price as well as assumptions regarding a number of complex and subjective variables that may have a significant impact on the fair value estimate.

There were no options granted during the three months ended June 30, 2015. The weighted-average assumptions and value of options granted for the three and six months ended June 30, 2016 and the six months ended June 30, 2015 are as follows:

| | Three and Six Months Ended June 30, 2016 | Six Months Ended June 30, 2015 |
|---|---|---|
| Expected volatility | 34.74 % | 38.75 % |
| Risk-free interest rate | 1.33 % | 1.46 % |
| Expected dividend yield | 1.91 % | 1.60 % |
| Expected life (in years) | 6.26 | 6.47 |
| Weighted-average estimated value | $ 5.42 | $ 7.63 |

The fair value of our RSUs is calculated using a Monte Carlo Simulation valuation method. No RSUs were granted or vested during the three and six months ended June 30, 2016 and 2015. Twelve thousand RSUs were forfeited during the six months ended June 30, 2015.

The fair value of restricted stock is equal to the closing price of our stock on the date of grant. Two thousand shares of restricted stock were granted during the six months ended June 30, 2016. Two thousand shares of restricted stock vested during the three and six months ended June 30, 2015.

Stock-based compensation expense recognized in our Consolidated Statements of Income for the three and six months ended June 30, 2016 and 2015 is based on options, RSUs and restricted stock ultimately expected to vest, and has been reduced for estimated forfeitures. Estimated forfeitures for stock options are based upon historical experience and approximate 3.7% annually. We estimated a 0% forfeiture rate for our RSUs and restricted stock due to the limited number of recipients and historical experience for these awards.

As of June 30, 2016, total compensation expense related to non-vested stock options, RSUs and restricted stock not yet recognized was approximately $11.5 million, which is expected to be recognized over an average remaining recognition period of 2.4 years.

The following table is a summary of our stock options outstanding as of December 31, 2015 and June 30, 2016 and the changes that occurred during the six months ended June 30, 2016:

| (In thousands, except per share amounts) | Number of Options | Weighted Avg. Exercise Price | Weighted Avg. Remaining Contractual Life In Years | Aggregate Intrinsic Value |
|---|---|---|---|---|
| Options outstanding, December 31, 2015 | 7,108 | $ 21.97 | 6.42 | $ 3,284 |
| Options granted | 1 | $ 18.83 | | |
| Options exercised | (33) | $ 16.58 | | |
| Options forfeited | (42) | $ 17.88 | | |
| Options expired | (54) | $ 25.65 | | |
| Options outstanding, June 30, 2016 | 6,980 | $ 22.00 | 5.93 | $ 6,522 |
| Options vested and expected to vest, June 30, 2016 | 6,865 | $ 22.09 | 5.88 | $ 6,260 |
| Options exercisable, June 30, 2016 | 4,420 | $ 24.35 | 4.44 | $ 2,298 |

The aggregate intrinsic values in the table above represent the total pre-tax intrinsic value (the difference between the closing price of our stock on the last trading day of the quarter and the exercise price, multiplied by the number of in-the-money options) that would have been received by the option holders had all option holders exercised their options on June 30, 2016. The aggregate intrinsic value will change based on the fair market value of our stock.

The total pre-tax intrinsic value of options exercised during the three and six months ended June 30, 2016 was $0.1 million.

5. INVESTMENTS

At June 30, 2016, we held the following securities and investments, recorded at either fair value or cost.

| (In thousands) | Amortized Cost | Gross Unrealized Gains | Losses | Carrying Value |
|---|---|---|---|---|
| Deferred compensation plan assets | $11,516 | $1,628 | $(49) | $13,095 |
| Corporate bonds | 54,044 | 149 | (61) | 54,132 |
| Municipal fixed-rate bonds | 16,889 | 59 | - | 16,948 |
| Asset-backed bonds | 23,526 | 53 | (6) | 23,573 |
| Mortgage/Agency-backed bonds | 19,214 | 44 | (39) | 19,219 |
| U.S. Government bonds | 33,498 | 308 | - | 33,806 |
| Variable rate demand notes | 11,740 | - | - | 11,740 |
| Marketable equity securities | 32,948 | 1,901 | (1,478) | 33,371 |
| Available-for-sale securities held at fair value | $203,375 | $4,142 | $(1,633) | $205,884 |
| Restricted investment held at cost | | | | 30,000 |
| Other investments held at cost | | | | 1,232 |
| Total carrying value of available-for-sale investments | | | | $237,116 |

At December 31, 2015, we held the following securities and investments, recorded at either fair value or cost.

| (In thousands) | Amortized Cost | Gross Unrealized Gains | Losses | Carrying Value |
|---|---|---|---|---|
| Deferred compensation plan assets | $11,325 | $1,575 | $(66) | $12,834 |
| Corporate bonds | 58,328 | 20 | (734) | 57,614 |
| Municipal fixed-rate bonds | 26,414 | 28 | (18) | 26,424 |
| Asset-backed bonds | 19,281 | 2 | (44) | 19,239 |
| Mortgage/Agency-backed bonds | 15,463 | 1 | (91) | 15,373 |
| U.S. Government bonds | 35,646 | - | (248) | 35,398 |
| Marketable equity securities | 31,643 | 4,301 | (1,693) | 34,251 |
| Available-for-sale securities held at fair value | $198,100 | $5,927 | $(2,894) | $201,133 |
| Restricted investment held at cost | | | | 30,000 |
| Other investments held at cost | | | | 1,289 |
| Total carrying value of available-for-sale investments | | | | $232,422 |

As of June 30, 2016, our corporate bonds, municipal fixed-rate bonds, asset-backed bonds, mortgage/agency-backed bonds, and U.S. government bonds had the following contractual maturities:

| (In thousands) | Corporate | Municipal | Asset- |
|---|---|---|---|

| | bonds | fixed-rate bonds | backed bonds | Mortgage / Agency-backed bonds | U.S. Government bonds |
|---|---|---|---|---|---|
| Less than one year | $ 20,729 | $ 10,473 | $- | $ 4,972 | $ 2,953 |
| One to two years | 24,884 | 4,488 | 822 | 2,569 | 7,481 |
| Two to three years | 6,099 | 1,536 | 9,077 | 2,058 | 11,344 |
| Three to five years | 2,420 | 451 | 10,991 | - | 12,028 |
| Five to ten years | - | - | 2,506 | 1,036 | - |
| More than ten years | - | - | 177 | 8,584 | - |
| Total | $ 54,132 | $ 16,948 | $23,573 | $ 19,219 | $ 33,806 |

Actual maturities may differ from contractual maturities because some borrowers have the right to call or prepay obligations with or without call or prepayment penalties.

Our investment policy provides limitations for issuer concentration, which limits, at the time of purchase, the concentration in any one issuer to 5% of the market value of our total investment portfolio.

At June 30, 2016, we held a $30.0 million restricted certificate of deposit, which is carried at cost. This investment serves as a collateral deposit against the principal amount outstanding under loans made to ADTRAN pursuant to an Alabama State Industrial Development Authority revenue bond (the Bond), which totaled $28.9 million at June 30, 2016 and December 31, 2015. At June 30, 2016, the estimated fair value of the Bond using a level 2 valuation technique was approximately $29.4 million, based on a debt security with a comparable interest rate and maturity and a Standard and Poor's credit rating of AAA. We have the right to set-off the balance of the Bond with the collateral deposit in order to reduce the balance of the indebtedness. The Bond matures on January 1, 2020, and bears interest at the rate of 2% per annum. In conjunction with this program, we are eligible to receive certain economic incentives from the state of Alabama that reduce the amount of payroll withholdings we are required to remit to the state for those employment positions that qualify under this program. We are required to make payments in the amounts necessary to pay the interest on the amounts currently outstanding. It is our intent to make annual principal payments in addition to the interest amounts that are due.

We review our investment portfolio for potential "other-than-temporary" declines in value on an individual investment basis. We assess, on a quarterly basis, significant declines in value which may be considered other-than-temporary and, if necessary, recognize and record the appropriate charge to write-down the carrying value of such investments. In making this assessment, we take into consideration qualitative and quantitative information, including but not limited to the following: the magnitude and duration of historical declines in market prices, credit rating activity, assessments of liquidity, public filings, and statements made by the issuer. We generally begin our identification of potential other-than-temporary impairments by reviewing any security with a fair value that has declined from its original or adjusted cost basis by 25% or more for six or more consecutive months. We then evaluate the individual security based on the previously identified factors to determine the amount of the write-down, if any. For the three and six months ended June 30, 2016 and 2015, other-than-temporary impairment charges were not significant.

Realized gains and losses on sales of securities are computed under the specific identification method. The following table presents gross realized gains and losses related to our investments.

| | Three Months Ended June 30, | | Six Months Ended June 30, | |
|---|---|---|---|---|
| (In thousands) | 2016 | 2015 | 2016 | 2015 |
| Gross realized gains | $1,517 | $3,459 | $3,881 | $6,604 |
| Gross realized losses | $(407) | $(204) | $(1,043) | $(234) |

As of June 30, 2016 and 2015, gross unrealized losses related to individual securities in a continuous loss position for 12 months or longer were not significant.

We have categorized our cash equivalents held in money market funds and our investments held at fair value into a three-level fair value hierarchy based on the priority of the inputs to the valuation technique for the cash equivalents and investments as follows: Level 1 - Values based on unadjusted quoted prices for identical assets or liabilities in an active market; Level 2 - Values based on quoted prices in markets that are not active or model inputs that are observable either directly or indirectly; Level 3 - Values based on prices or valuation techniques that require inputs that are both unobservable and significant to the overall fair value measurement. These inputs include information supplied by investees.

| | Fair Value Measurements at June 30, 2016 Using | | | |
|---|---|---|---|---|
| (In thousands) | Fair Value | Quoted Prices in Active Market for Identical Assets (Level 1) | Significant Other Observable Inputs (Level 2) | Significant Unobservable Inputs (Level 3) |
| Cash equivalents | | | | |
| Money market funds | $ 1,915 | $ 1,915 | $ - | $ - |
| Commercial Paper | 15,996 | - | 15,996 | - |
| Cash equivalents | 17,911 | 1,915 | 15,996 | - |
| Available-for-sale securities | | | | |
| Deferred compensation plan assets | 13,095 | 13,095 | - | - |
| Available-for-sale debt securities | | | | |
| Corporate bonds | 54,132 | - | 54,132 | - |
| Municipal fixed-rate bonds | 16,948 | - | 16,948 | - |
| Asset-backed bonds | 23,573 | - | 23,573 | - |
| Mortgage/Agency-backed bonds | 19,219 | - | 19,219 | - |
| U.S. Government bonds | 33,806 | 33,806 | - | - |
| Variable rate demand notes | 11,740 | - | 11,740 | - |
| Available-for-sale marketable equity securities | | | | |
| Marketable equity securities – technology industry | 4,386 | 4,386 | - | - |
| Marketable equity securities – other | 28,985 | 28,985 | - | - |
| Available-for-sale securities | 205,884 | 80,272 | 125,612 | - |
| Total | $ 223,795 | $ 82,187 | $ 141,608 | $ - |

| | Fair Value Measurements at December 31, 2015 Using | | | |
|---|---|---|---|---|
| (In thousands) | Fair Value | Quoted Prices in Active | Significant Other Observable | Significant Unobservable Inputs (Level 3) |

| | | Market for Identical Assets (Level 1) | Inputs (Level 2) | |
|---|---|---|---|---|
| Cash equivalents | | | | |
| Money market funds | $ 1,271 | $ 1,271 | $ - | $ - |
| Commercial Paper | 11,696 | - | 11,696 | - |
| Cash equivalents | 12,967 | 1,271 | 11,696 | - |
| Available-for-sale securities | | | | |
| Deferred compensation plan assets | 12,834 | 12,834 | - | - |
| Available-for-sale debt securities | | | | |
| Corporate bonds | 57,614 | - | 57,614 | - |
| Municipal fixed-rate bonds | 26,424 | - | 26,424 | - |
| Asset-backed bonds | 19,239 | - | 19,239 | - |
| Mortgage/Agency-backed bonds | 15,373 | - | 15,373 | - |
| U.S. Government bonds | 35,398 | 35,398 | - | - |
| Available-for-sale marketable equity securities | | | | |
| Marketable equity securities – technology industry | 5,384 | 5,384 | - | - |
| Marketable equity securities – other | 28,867 | 28,867 | - | - |
| Available-for-sale securities | 201,133 | 82,483 | 118,650 | - |
| Total | $ 214,100 | $ 83,754 | $ 130,346 | $ - |

The fair value of our Level 2 securities is calculated using a weighted average market price for each security. Market prices are obtained from a variety of industry standard data providers, security master files from large financial institutions, and other third-party sources. These multiple market prices are used as inputs into a distribution-curve-based algorithm to determine the daily market value of each security.

Our variable rate demand notes have a structure that implies a standard expected market price. The frequent interest rate resets make it reasonable to expect the price to stay at par. These securities are priced at the expected market price.

6. DERIVATIVE INSTRUMENTS AND HEDGING ACTIVITIES

We have certain customers and suppliers who are invoiced or pay in a non-functional currency. Changes in the monetary exchange rates may adversely affect our results of operations and financial condition, as these are remeasured to the functional currency through profit and loss. When appropriate, we enter into various derivative transactions to enhance our ability to manage the volatility relating to these typical business exposures. We do not hold or issue derivative instruments for trading or other speculative purposes. Our derivative instruments are recorded in the Consolidated Balance Sheets at their fair values. Our derivative instruments do not qualify for hedge accounting, and accordingly, all changes in the fair value of the instruments are recognized as other income (expense) in the Consolidated Statements of Income. The maximum contractual period for our derivatives is currently less than twelve months. Our derivative instruments are not subject to master netting arrangements and are not offset in the Consolidated Balance Sheets.

As of June 30, 2016, we had forward contracts outstanding with notional amounts totaling €6.0 million ($6.7 million), which mature in the third quarter of 2016.

The fair values of our derivative instruments recorded in the Consolidated Balance Sheet as of June 30, 2016 and December 31, 2015 were as follows:

| | | June 30, | December 31, |
|---|---|---|---|
| (In thousands) | Balance Sheet Location | 2016 | 2015 |
| Derivatives Not Designated as Hedging Instruments (Level 2): | | | |
| Foreign exchange contracts – asset derivatives | Other receivables | $188 | $ - |

The change in the fair values of our derivative instruments recorded in the Consolidated Statements of Income during the three and six months ended June 30, 2016 and 2015 were as follows:

| (In thousands) | Income Statement Location | Three Months Ended June 30, 2016 | 2015 | Six Months Ended June 30, 2016 | 2015 |
|---|---|---|---|---|---|
| Derivatives Not Designated as Hedging Instruments: | | | | | |
| Foreign exchange contracts | Other income (expense) | $237 | $(1,299) | $190 | $177 |

7. INVENTORY

At June 30, 2016 and December 31, 2015, inventory consisted of the following:

| (In thousands) | June 30, 2016 | December 31, 2015 |
|---|---|---|
| Raw materials | $35,761 | $ 34,223 |
| Work in process | 2,322 | 2,893 |
| Finished goods | 48,853 | 54,417 |
| Total | $86,936 | $ 91,533 |

We establish reserves for estimated excess, obsolete, or unmarketable inventory equal to the difference between the cost of the inventory and the estimated fair value of the inventory based upon assumptions about future demand and market conditions. At June 30, 2016 and December 31, 2015, raw materials reserves totaled $18.0 million and $17.5 million, respectively, and finished goods inventory reserves totaled $9.8 million and $9.2 million, respectively.

8. GOODWILL AND INTANGIBLE ASSETS

Goodwill, all of which relates to our acquisition of Bluesocket, Inc., was $3.5 million at June 30, 2016 and December 31, 2015, and was previously recorded in our Enterprise Networks reportable segment. As a result of our new reporting structure, which is discussed further in Note 11, we reallocated goodwill from our Enterprise Networks reportable segment to our two, new reportable segments – Network Solutions and Services & Support. As a result, goodwill of $3.1 million and $0.4 million was reallocated to our Network Solutions and Services & Support reportable segments, respectively.

We evaluate the carrying value of goodwill during the fourth quarter of each year and between annual evaluations if events occur or circumstances change that would more likely than not reduce the fair value of the reporting unit below its carrying amount. We have elected to first assess the qualitative factors to determine whether it is more likely than not that the fair value of the reporting unit to which the goodwill is assigned is less than its carrying amount as a basis for determining whether it is necessary to perform the two-step impairment test. If we determine that it is more likely than not that its fair value is less than its carrying amount, then the two-step impairment test will be performed. Based on the results of our qualitative assessment in 2015, we concluded that it was not necessary to perform the two-step impairment test. There have been no impairment losses recognized since the acquisition in 2011.

Intangible assets are included in other assets in the accompanying Consolidated Balance Sheets and include intangibles acquired in conjunction with our acquisitions of Objectworld Communications Corporation on September 15, 2009, Bluesocket, Inc. on August 4, 2011, and the NSN BBA business on May 4, 2012.

The following table presents our intangible assets as of June 30, 2016 and December 31, 2015:

| (In thousands) | June 30, 2016 | | | December 31, 2015 | | |
|---|---|---|---|---|---|---|
| | Gross Value | Accumulated Amortization | Net Value | Gross Value | Accumulated Amortization | Net Value |
| Customer relationships | $5,925 | $ (2,966) | $ 2,959 | $5,828 | $ (2,627) | $ 3,201 |
| Developed technology | 5,778 | (4,767) | 1,011 | 5,720 | (4,329) | 1,391 |
| Intellectual property | 2,340 | (2,021) | 319 | 2,340 | (1,854) | 486 |
| Trade names | 270 | (270) | - | 270 | (265) | 5 |
| Total | $14,313 | $ (10,024) | $ 4,289 | $14,158 | $ (9,075) | $ 5,083 |

Amortization expense, all of which relates to business acquisitions, was $0.4 million and $0.5 million for the three months ended June 30, 2016 and 2015, respectively, and $0.9 million and $1.0 million for the six months ended June 30, 2016 and 2015, respectively.

As of June 30, 2016, the estimated future amortization expense of our intangible assets is as follows:

| (In thousands) | Amount |
|---|---|
| Remainder of 2016 | $807 |
| 2017 | 1,162 |
| 2018 | 702 |

| | |
|---|---|
| 2019 | 308 |
| 2020 | 285 |
| Thereafter | 1,025 |
| Total | $ 4,289 |

9. STOCKHOLDERS' EQUITY

A summary of the changes in stockholders' equity for the six months ended June 30, 2016 is as follows:

| (In thousands) | Stockholders' Equity |
|---|---|
| Balance, December 31, 2015 | $ 480,160 |
| Net income | 15,242 |
| Dividend payments | (8,860) |
| Dividends accrued for unvested restricted stock units | (26) |
| Net unrealized losses on available-for-sale securities (net of tax) | (420) |
| Defined benefit plan adjustments | 67 |
| Foreign currency translation adjustment | 627 |
| Proceeds from stock option exercises | 541 |
| Purchase of treasury stock | (16,579) |
| Income tax effect of stock compensation arrangements | (137) |
| Stock-based compensation expense | 3,109 |
| Balance, June 30, 2016 | $ 473,724 |

Stock Repurchase Program

Since 1997, our Board of Directors has approved multiple share repurchase programs that have authorized open market repurchase transactions of up to 50.0 million shares of our common stock, which will be implemented through open market or private purchases from time to time as conditions warrant. During the six months ended June 30, 2016, we repurchased 0.9 million shares of our common stock at an average price of $18.48 per share. As of June 30, 2016, we have the authority to purchase an additional 4.9 million shares of our common stock under the current plans approved by the Board of Directors.

Stock Option Exercises

We issued 33 thousand shares of treasury stock during the six months ended June 30, 2016 to accommodate employee stock option exercises. The stock options had exercise prices ranging from $15.29 to $18.97. We received proceeds totaling $0.5 million from the exercise of these stock options during the six months ended June 30, 2016.

Dividend Payments

During the six months ended June 30, 2016, we paid cash dividends as follows (in thousands except per share amounts):

| Record Date | Payment Date | Per Share Amount | Total Dividend Paid |
|---|---|---|---|
| February 4, 2016 | February 18, 2016 | $ 0.09 | $ 4,453 |
| April 28, 2016 | May 12, 2016 | $ 0.09 | $ 4,407 |

Other Comprehensive Income

Other comprehensive income consists of unrealized gains (losses) on available-for-sale securities, reclassification adjustments for amounts included in net income related to impairments of available-for-sale securities, realized gains (losses) on available-for-sale securities, and amortization of actuarial gains (losses) related to our defined benefit plan, defined benefit plan adjustments, and foreign currency translation adjustments.

The following tables present changes in accumulated other comprehensive income, net of tax, by component for the three months ended June 30, 2016 and 2015:

| | Three Months Ended June 30, 2016 | | | |
|---|---|---|---|---|
| (In thousands) | Unrealized Gains (Losses) on Available for-Sale Securities | Defined Benefit Plan Adjustments | Foreign Currency Adjustments | Total |
| Beginning balance | $1,677 | $ (3,850) | $ (5,778) | $(7,951) |
| Other comprehensive income (loss) before reclassifications | 481 | - | (601) | (120) |
| Amounts reclassified from accumulated other comprehensive income | (646) | 22 | - | (624) |
| Net current period other comprehensive income (loss) | (165) | 22 | (601) | (744) |
| Ending balance | $1,512 | $ (3,828) | $ (6,379) | $(8,695) |

| | Three Months Ended June 30, 2015 | | | |
|---|---|---|---|---|
| (In thousands) | Unrealized Gains (Losses) on Available-for-Sale | Defined Benefit Plan Adjustments | Foreign Currency Adjustments | Total |

| | Securities | | | |
|---|---|---|---|---|
| Beginning balance | $8,461 | $ (5,689) | $ (6,600) | $(3,828) |
| Other comprehensive income (loss) before reclassifications | 177 | - | 872 | 1,049 |
| Amounts reclassified from accumulated other comprehensive income | (1,960) | 72 | - | (1,888) |
| Net current period other comprehensive income (loss) | (1,783) | 72 | 872 | (839) |
| Ending balance | $6,678 | $ (5,617) | $ (5,728) | $(4,667) |

The following tables present changes in accumulated other comprehensive income, net of tax, by component for the six months ended June 30, 2016 and 2015:

| | Six Months Ended June 30, 2016 | | | |
|---|---|---|---|---|
| (In thousands) | Unrealized Gains (Losses) on Available-for-Sale Securities | Defined Benefit Plan Adjustments | Foreign Currency Adjustments | Total |
| Beginning balance | $1,932 | $ (3,895) | $ (7,006) | $(8,969) |
| Other comprehensive income (loss) before reclassifications | 1,239 | - | 627 | 1,866 |
| Amounts reclassified from accumulated other comprehensive income | (1,659) | 67 | - | (1,592) |
| Net current period other comprehensive income (loss) | (420) | 67 | 627 | 274 |
| Ending balance | $1,512 | $ (3,828) | $ (6,379) | $(8,695) |

| | Six Months Ended June 30, 2015 | | | |
|---|---|---|---|---|
| (In thousands) | Unrealized Gains (Losses) on Available-for-Sale Securities | Defined Benefit Plan Adjustments | Foreign Currency Adjustments | Total |
| Beginning balance | $8,964 | $ (5,757) | $ (3,282) | $(75) |
| Other comprehensive income (loss) before reclassifications | 1,537 | - | (2,446) | (909) |
| Amounts reclassified from accumulated other | (3,823) | 140 | - | (3,683) |

| | | | | |
|---|---|---|---|---|
| comprehensive income | | | | |
| Net current period other comprehensive income (loss) | (2,286) | 140 | (2,446) | (4,592) |
| Ending balance | $6,678 | $ (5,617) | $ (5,728) | $(4,667) |

The following tables present the details of reclassifications out of accumulated other comprehensive income for the three months ended June 30, 2016 and 2015:

| (In thousands) | Three Months Ended June 30, 2016 Amount Reclassified from Accumulated Other Comprehensive Income | Affected Line Item in the Statement Where Net Income Is Presented |
|---|---|---|
| Details about Accumulated Other Comprehensive Income Components | | |
| Unrealized gains (losses) on available-for-sale securities: | | |
| Net realized gain on sales of securities | $1,354 | Net realized investment gain |
| Impairment expense | (295) | Net realized investment gain |
| Defined benefit plan adjustments – actuarial losses | (33) | [1] |
| Total reclassifications for the period, before tax | 1,026 | |
| Tax (expense) benefit | (402) | |
| Total reclassifications for the period, net of tax | $624 | |

[1] Included in the computation of net periodic pension cost. See Note 3 of Notes to Consolidated Financial Statements.

| (In thousands) | Three Months Ended June 30, 2015 Amount Reclassified from Accumulated Other | Affected Line Item in the Statement Where Net Income Is Presented |
|---|---|---|
| Details about Accumulated Other Comprehensive Income Components | | |

| | Comprehensive Income | |
|---|---|---|
| Unrealized gains (losses) on available-for-sale securities: | | |
| Net realized gain on sales of securities | $3,264 | Net realized investment gain |
| Impairment expense | (51) | Net realized investment gain |
| Defined benefit plan adjustments – actuarial losses | (105) | (1) |
| Total reclassifications for the period, before tax | 3,108 | |
| Tax (expense) benefit | (1,220) | |
| Total reclassifications for the period, net of tax | $1,888 | |

(1) Included in the computation of net periodic pension cost. See Note 3 of Notes to Consolidated Financial Statements.

The following tables present the details of reclassifications out of accumulated other comprehensive income for the six months ended June 30, 2016 and 2015:

| (In thousands) | Six Months Ended June 30, 2016 Amount Reclassified from Accumulated Other Comprehensive Income | Affected Line Item in the Statement Where Net Income Is Presented |
|---|---|---|
| Details about Accumulated Other Comprehensive Income Components | | |
| Unrealized gains (losses) on available-for-sale securities: | | |
| Net realized gain on sales of securities | $3,115 | Net realized investment gain |
| Impairment expense | (395) | Net realized investment gain |
| Defined benefit plan adjustments – actuarial losses | (98) | [1] |
| Total reclassifications for the period, before tax | 2,622 | |
| Tax (expense) benefit | (1,030) | |
| Total reclassifications for the period, net of tax | $1,592 | |

[1] Included in the computation of net periodic pension cost. See Note 3 of Notes to Consolidated Financial Statements.

| (In thousands) | Six Months Ended June 30, 2015 Amount Reclassified from Accumulated Other | Affected Line Item in the Statement Where Net Income Is Presented |
|---|---|---|
| Details about Accumulated Other Comprehensive Income Components | | |

| | Comprehensive Income | |
|---|---|---|
| Unrealized gains (losses) on available-for-sale securities: | | |
| Net realized gain on sales of securities | $6,340 | Net realized investment gain |
| Impairment expense | (73) | Net realized investment gain |
| Defined benefit plan adjustments – actuarial losses | (203) | [1] |
| Total reclassifications for the period, before tax | 6,064 | |
| Tax (expense) benefit | (2,381) | |
| Total reclassifications for the period, net of tax | $3,683 | |

[1] Included in the computation of net periodic pension cost. See Note 3 of Notes to Consolidated Financial Statements.

The following table presents the tax effects related to the change in each component of other comprehensive income for the three months ended June 30, 2016 and 2015:

| | Three Months Ended June 30, 2016 | | | Three Months Ended June 30, 2015 | | |
|---|---|---|---|---|---|---|
| (In thousands) | Before-Tax Amount | Tax (Expense) Benefit | Net-of-Tax Amount | Before-Tax Amount | Tax (Expense) Benefit | Net-of-Tax Amount |
| Unrealized gains (losses) on available-for-sale securities | $789 | $ (308) | $ 481 | $290 | $ (113) | $ 177 |
| Reclassification adjustment for amounts related to available-for-sale investments included in net income | (1,059) | 413 | (646) | (3,213) | 1,253 | (1,960) |
| Reclassification adjustment for amounts related to defined benefit plan adjustments included in net income | 33 | (11) | 22 | 105 | (33) | 72 |
| Foreign currency translation adjustment | (601) | - | (601) | 872 | - | 872 |
| Total Other Comprehensive Income (Loss) | $(838) | $ 94 | $ (744) | $(1,946) | $ 1,107 | $ (839) |

The following table presents the tax effects related to the change in each component of other comprehensive income for the six months ended June 30, 2016 and 2015:

| | Six Months Ended June 30, 2016 | | | Six Months Ended June 30, 2015 | | |
|---|---|---|---|---|---|---|
| (In thousands) | Before-Tax Amount | Tax (Expense) Benefit | Net-of-Tax Amount | Before-Tax Amount | Tax (Expense) Benefit | Net-of-Tax Amount |
| Unrealized gains (losses) on available-for-sale securities | $2,031 | $ (792) | $ 1,239 | $2,520 | $ (983) | $ 1,537 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Reclassification adjustment for amounts related to available-for-sale investments included in net income | (2,720) | 1,061 | (1,659) | (6,267) | 2,444 | (3,823) |
| Reclassification adjustment for amounts related to defined benefit plan adjustments included in net income | 98 | (31) | 67 | 203 | (63) | 140 |
| Foreign currency translation adjustment | 627 | - | 627 | (2,446) | - | (2,446) |
| Total Other Comprehensive Income (Loss) | $36 | $ 238 | $ 274 | $(5,990) | $ 1,398 | $ (4,592) |

10. EARNINGS PER SHARE

A summary of the calculation of basic and diluted earnings per share for the three and six months ended June 30, 2016 and 2015 is as follows:

| (In thousands, except per share amounts) | Three Months Ended June 30, 2016 | 2015 | Six Months Ended June 30, 2016 | 2015 |
|---|---|---|---|---|
| Numerator | | | | |
| Net income | $10,228 | $2,544 | $15,242 | $5,861 |
| Denominator | | | | |
| Weighted average number of shares – basic | 48,831 | 51,822 | 49,026 | 52,607 |
| Effect of dilutive securities | | | | |
| Stock options | 161 | 72 | 138 | 122 |
| Restricted stock and restricted stock units | 56 | 23 | 54 | 13 |
| Weighted average number of shares – diluted | 49,048 | 51,917 | 49,218 | 52,742 |
| Net income per share – basic | $0.21 | $0.05 | $0.31 | $0.11 |
| Net income per share – diluted | $0.21 | $0.05 | $0.31 | $0.11 |

Anti-dilutive options to purchase common stock outstanding were excluded from the above calculations. Anti-dilutive options totaled 5.6 million and 6.1 million for the three months ended June 30, 2016 and 2015, respectively, and 5.8 million and 5.7 million for the six months ended June 30, 2016 and 2015, respectively.

11. SEGMENT INFORMATION

In 2015, we began a realignment of our organizational structure to better match our market opportunities, technological development initiatives, and improve efficiencies. During the first quarter of 2016, our chief operating decision maker requested changes in the information that he regularly reviews for purposes of allocating resources and assessing performance. As a result, beginning with the quarter ended March 31, 2016, we began reporting our financial performance based on two, new reportable segments – Network Solutions and Services & Support. Network Solutions includes hardware products and next-generation virtualized solutions used in service provider or business networks, as well as prior-generation products. Services & Support includes our suite of ProCloud® managed services, network installation, engineering and maintenance services, and fee-based technical support and equipment repair/replacement plans.

We evaluate the performance of our new segments based on gross profit; therefore, selling, general and administrative expenses, research and development expenses, interest and dividend income, interest expense, net realized investment gain/loss, other income/expense and provision for taxes are reported on a company-wide, functional basis only. Historical financial information by reportable segment and category, as discussed below, has been recast to conform to our new reporting structure. There are no inter-segment revenues.

The following table presents information about the reported sales and gross profit of our reportable segments for the three and six months ended June 30, 2016 and 2015. We do not produce asset information by reportable segment; therefore, it is not reported.

| | Three Months Ended | | | |
|---|---|---|---|---|
| | June 30, 2016 | | June 30, 2015 | |
| (In thousands) | Sales | Gross Profit | Sales | Gross Profit |
| Network Solutions | $138,549 | $70,705 | $144,098 | $59,888 |
| Services & Support | 24,152 | 8,250 | 16,040 | 8,358 |
| Total | $162,701 | $78,955 | $160,138 | $68,246 |

| | Six Months Ended | | | |
|---|---|---|---|---|
| | June 30, 2016 | | June 30, 2015 | |
| (In thousands) | Sales | Gross Profit | Sales | Gross Profit |
| Network Solutions | $262,432 | $130,515 | $273,603 | $117,833 |
| Services & Support | 42,473 | 14,234 | 29,370 | 15,976 |
| Total | $304,905 | $144,749 | $302,973 | $133,809 |

Sales by Category

In addition to our new reporting segments, we will also report revenue for the following three categories – Access & Aggregation, Customer Devices, and Traditional & Other Products.

Access & Aggregation generally includes software and hardware based products and services that communication service providers (CSPs) use to aggregate and/or originate network access technologies. The portfolio of ADTRAN solutions within this category includes a wide array of modular or fixed physical form factors designed to deliver the best technology and economic fit for our customers based on the target subscriber density and environmental conditions.

The Access & Aggregation category includes product and service families such as:

- Total Access® 5000 Series Fiber to the Premises (FTTP) and Fiber to the Node (FTTN) Multi-Service Access Nodes (MSAN)
- hiX 5600 Series fiber aggregation and Fiber to the Node (FTTN) Multi-Service Access Nodes (MSAN)
- Fiber to the Distribution Point (FTTdp) Optical Network Units (ONU)
- Optical Line Terminals (OLT)
- Optical Networking Edge (ONE) aggregation
- Distribution Point Units (DPUs)
- IP Digital Subscriber Line Access Multiplexers (DSLAMs)
- Cabinet and Outside-Plant (OSP) enclosures and services
- Network Management and Cloud based software platforms and applications
- Pluggable optical transceivers (i.e., SFP, SFP+, XFP, QSFP), cables and other miscellaneous materials
- Other products and services that are generally applicable to Access & Aggregation

Customer Devices generally includes the products and services that provide end users access to the CSP network. The Customer Devices portfolio includes a comprehensive array of service provider and enterprise hardware and software products and services.

The Customer Devices category includes products and services such as:

- Broadband customer premise solutions, including Passive Optical Network (PON) and point-to-point Ethernet Optical Network Terminals (ONTs)
- Residential and business gateways
    - Wi-Fi access points and associated powering and switching infrastructure
- enterprise Session Border Controllers (eSBC)
- Branch office and access routers
    - Carrier Ethernet services termination devices
- VoIP media gateways
- ProServices®
    - Planning, engineering, program management, maintenance, installation and commissioning services to implement the customer devices solutions into consumer, small business and enterprise locations
- Other products and services that are generally applicable to customer devices

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Traditional & Other Products generally includes a mix of prior generation technologies' products and services, as well as other products and services that do not fit within the Access & Aggregation or Customer Devices categories.

The Traditional & Other Products category includes products and services such as:

- Time Division Multiplexed (TDM) and Asynchronous Transfer Mode (ATM) based aggregation systems and customer devices
- HDSL, ADSL and other mature technologies used to deliver business and residential services over the CSP access and customer networks
- Other products and services that do not fit within the Access & Aggregation and Customer Devices categories

The table below presents sales information by category for the three and six months ended June 30, 2016 and 2015:

| | Three Months Ended June 30, | | Six Months Ended June 30, | |
|---|---|---|---|---|
| (In thousands) | 2016 | 2015 | 2016 | 2015 |
| Access & Aggregation | $102,232 | $112,732 | $196,087 | $205,583 |
| Customer Devices | 40,876 | 30,042 | 73,229 | 61,746 |
| Traditional & Other Products | 19,593 | 17,364 | 35,589 | 35,644 |
| Total | $162,701 | $160,138 | $304,905 | $302,973 |

12. LIABILITY FOR WARRANTY RETURNS

Our products generally include warranties of 90 days to ten years for product defects. We accrue for warranty returns at the time revenue is recognized based on our estimate of the cost to repair or replace the defective products. We engage in extensive product quality programs and processes, including actively monitoring and evaluating the quality of our component suppliers. Our products continue to become more complex in both size and functionality as many of our product offerings migrate from line card applications to total systems. The increasing complexity of our products will cause warranty incidences, when they arise, to be more costly. Our estimates regarding future warranty obligations may change due to product failure rates, material usage, and other rework costs incurred in correcting a product failure. In addition, from time to time, specific warranty accruals may be recorded if unforeseen problems arise. Should our actual experience relative to these factors be worse than our estimates, we will be required to record additional warranty expense. Alternatively, if we provide for more reserves than we require, we will reverse a portion of such provisions in future periods. The liability for warranty obligations totaled $8.9 million and $8.7 million at June 30, 2016 and December 31, 2015, respectively. These liabilities are included in accrued expenses in the accompanying Consolidated Balance Sheets.

A summary of warranty expense and write-off activity for the three and six months ended June 30, 2016 and 2015 is as follows:

| | Three Months Ended June 30, | Six Months Ended June 30, |
|---|---|---|

| (In thousands) | 2016 | 2015 | 2016 | 2015 |
|---|---|---|---|---|
| Balance at beginning of period | $9,042 | $8,684 | $8,739 | $8,415 |
| Plus:Amounts charged to cost and expenses | 1,431 | 667 | 2,329 | 1,128 |
| Less:Deductions | (1,538) | (418) | (2,133) | (610) |
| Balance at end of period | $8,935 | $8,933 | $8,935 | $8,933 |

13. COMMITMENTS AND CONTINGENCIES

In the ordinary course of business, we may be subject to various legal proceedings and claims, including employment disputes, patent claims, disputes over contract agreements and other commercial disputes. In some cases, claimants seek damages or other relief, such as royalty payments related to patents, which, if granted, could require significant expenditures. Although the outcome of any claim or litigation can never be certain, it is our opinion that the outcome of all contingencies of which we are currently aware will not materially affect our business, operations, financial condition or cash flows.

We have committed to invest up to an aggregate of $7.9 million in two private equity funds, and we have contributed $8.4 million as of June 30, 2016, of which $7.7 million has been applied to these commitments.

14. SUBSEQUENT EVENTS

On July 12, 2016, we announced that our Board of Directors declared a quarterly cash dividend of $0.09 per common share to be paid to stockholders of record at the close of business on July 28, 2016. The payment date will be August 11, 2016. The quarterly dividend payment will be approximately $4.3 million. In July 2003, our Board of Directors elected to begin declaring quarterly dividends on our common stock considering the tax treatment of dividends and adequate levels of Company liquidity.

During the third quarter and as of August 5, 2016, we have repurchased 0.3 million shares of our common stock through open market purchases at an average cost of $17.99 per share. We currently have the authority to purchase an additional 4.6 million shares of our common stock under the current plan approved by the Board of Directors.

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion should be read in conjunction with the Consolidated Financial Statements and the related notes that appear elsewhere in this document.

OVERVIEW

ADTRAN, Inc. is a leading global provider of networking and communications equipment. Our solutions enable voice, data, video and Internet communications across a variety of network infrastructures. These solutions are deployed by many of the United States' and the world's largest service providers, distributed enterprises and small and medium-sized businesses, public and private enterprises, and millions of individual users worldwide.

Our success depends upon our ability to increase unit volume and market share through the introduction of new products and succeeding generations of products having lower selling prices and increased functionality as compared to both the prior generation of a product and to the products of competitors. An important part of our strategy is to reduce the cost of each succeeding product generation and then lower the product's selling price based on the cost savings achieved in order to gain market share and/or improve gross margins. As a part of this strategy, we seek in most instances to be a high-quality, low-cost provider of products in our markets. Our success to date is attributable in large measure to our ability to design our products initially with a view to their subsequent redesign, allowing both increased functionality and reduced manufacturing costs in each succeeding product generation. This strategy enables us to sell succeeding generations of products to existing customers, while increasing our market share by selling these enhanced products to new customers.

We report revenue for the following three categories – Access & Aggregation, Customer Devices, and Traditional & Other Products.

Access & Aggregation generally includes software and hardware based products and services that communication service providers (CSPs) use to aggregate and/or originate network access technologies. The portfolio of ADTRAN solutions within this category includes a wide array of modular or fixed physical form factors designed to deliver the best technology and economic fit for our customers based on the target subscriber density and environmental conditions.

The Access & Aggregation category includes product and service families such as:

- Total Access® 5000 Series Fiber to the Premises (FTTP) and Fiber to the Node (FTTN) Multi-Service Access Nodes (MSAN)
- hiX 5600 Series fiber aggregation and Fiber to the Node (FTTN) Multi-Service Access Nodes (MSAN)
- Fiber to the Distribution Point (FTTdp) Optical Network Units (ONU)
- Optical Line Terminals (OLT)
- Optical Networking Edge (ONE) aggregation
- Distribution Point Units (DPUs)
- IP Digital Subscriber Line Access Multiplexers (DSLAMs)
- Cabinet and Outside-Plant (OSP) enclosures and services
- Network Management and Cloud based software platforms and applications
- Pluggable optical transceivers (i.e., SFP, SFP+, XFP, QSFP), cables and other miscellaneous materials
- Other products and services that are generally applicable to Access & Aggregation

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Customer Devices generally includes the products and services that provide end users access to the CSP network. The Customer Devices portfolio includes a comprehensive array of service provider and enterprise hardware and software products and services.

The Customer Devices category includes products and services such as:

- Broadband customer premise solutions, including Passive Optical Network (PON) and point-to-point Ethernet Optical Network Terminals (ONTs)
- Residential and business gateways
  - Wi-Fi access points and associated powering and switching infrastructure
- enterprise Session Border Controllers (eSBC)
- Branch office and access routers
  - Carrier Ethernet services termination devices
- VoIP media gateways
- ProServices
  - Planning, engineering, program management, maintenance, installation and commissioning services to implement the customer devices solutions into consumer, small business and enterprise locations
- Other products and services that are generally applicable to customer devices

Traditional & Other Products generally includes a mix of prior generation technologies' products and services, as well as other products and services that do not fit within the Access & Aggregation or Customer Devices categories.

The Traditional & Other Products category includes products and services such as:

- Time Division Multiplexed (TDM) and Asynchronous Transfer Mode (ATM) based aggregation systems and customer devices
- HDSL, ADSL and other mature technologies used to deliver business and residential services over the CSP access and customer networks
- Other products and services that do not fit within the Access & Aggregation and Customer Devices categories

See Note 11 of Notes to Consolidated Financial Statements in this report for further information regarding these product categories.

Sales were $162.7 million and $304.9 million for the three and six months ended June 30, 2016 compared to $160.1 million and $303.0 million for the three and six months ended June 30, 2015. Our gross margin increased to 48.5% and 47.5% for the three and six months ended June 30, 2016 from 42.6% and 44.2% for the three and six months ended June 30, 2015. Our operating income margin increased to 9.1% and 6.7% for the three and six months ended June 30, 2016 from 0.4% and 0.9% for the three and six months ended June 30, 2015. Net income was $10.2 million and $15.2 million for the three and six months ended June 30, 2016 compared to $2.5 million and $5.9 million for the three and six months ended June 30, 2015. Our effective tax rate decreased to 37.8% and 37.9% for the three and six months ended June 30, 2016 from 38.1% and 39.1% for the three and six months ended June 30, 2015. Earnings per share, assuming dilution, were $0.21 and $0.31 for the three and six months ended June 30, 2016 compared to $0.05 and $0.11 for the three and six months ended June 30, 2015.

Our operating results have fluctuated on a quarterly basis in the past, and may vary significantly in future periods due to a number of factors, including customer order activity and backlog. Backlog levels vary because of seasonal trends, the timing of customer projects and other factors that affect customer order lead times. Many of our customers require prompt delivery of products. This requires us to maintain sufficient inventory levels to satisfy anticipated customer demand. If near-term demand for our products declines, or if potential sales in any quarter do not occur as anticipated,

our financial results could be adversely affected. Operating expenses are relatively fixed in the short term; therefore, a shortfall in quarterly revenues could significantly impact our financial results in a given quarter.

Our operating results may also fluctuate as a result of a number of other factors, including a decline in general economic and market conditions, foreign currency exchange rate movements, increased competition, customer order patterns, changes in product and services mix, timing differences between price decreases and product cost reductions, product warranty returns, expediting costs and announcements of new products by us or our competitors. Additionally, maintaining sufficient inventory levels to assure prompt delivery of our products increases the amount of inventory that may become obsolete and increases the risk that the obsolescence of this inventory may have an adverse effect on our business and operating results. Also, not maintaining sufficient inventory levels to assure prompt delivery of our products may cause us to incur expediting costs to meet customer delivery requirements, which may negatively impact our operating results in a given quarter.

Accordingly, our historical financial performance is not necessarily a meaningful indicator of future results, and, in general, management expects that our financial results may vary from period to period. A list of factors that could materially affect our business, financial condition or operating results is included under “Factors That Could Affect Our Future Results” in “Management’s Discussion and Analysis of Financial Condition and Results of Operations” contained in Item 2 of Part I of this report. These factors have also been discussed in more detail in Item 1A of Part I in our most recent Annual Report on Form 10-K for the year ended December 31, 2015, filed on February 24, 2016 with the SEC.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

Our critical accounting policies and estimates have not changed significantly from those detailed in our most recent Annual Report on Form 10-K for the year ended December 31, 2015, filed on February 24, 2016 with the SEC.

EFFECT OF RECENT ACCOUNTING PRONOUNCEMENTS

See Note 1 of Notes to Consolidated Financial Statements in Item 1 of this Form 10-Q for a full description of recent accounting pronouncements, including the expected dates of adoption and estimated effects on results of operations and financial condition, which is incorporated herein by reference.

RESULTS OF OPERATIONS – THREE AND SIX MONTHS ENDED JUNE 30, 2016 COMPARED TO THREE AND SIX MONTHS ENDED JUNE 30, 2015

SALES

Our sales increased 1.6% from $160.1 million in the three months ended June 30, 2015 to $162.7 million in the three months ended June 30, 2016, and increased 0.6% from $303.0 million in the six months ended June 30, 2015 to $304.9 million in the six months ended June 30, 2016. The increase in sales for the three months ended June 30, 2016 is primarily attributable to a $10.8 million increase in sales of our Customer Devices products, a $2.2 million increase in sales of our Traditional & Other products, partially offset by a $10.5 million decrease in sales of our Access & Aggregation products. The increase in sales for the six months ended June 30, 2016 is primarily attributable to a $11.5 million increase in sales of our Customer Devices products, partially offset by a $9.5 million decrease in sales of our Access & Aggregation products.

Network Solutions sales decreased 3.9% from $144.1 million in the three months ended June 30, 2015 to $138.5 million in the three months ended June 30, 2016, and decreased 4.1% from $273.6 million in the six months ended June 30, 2015 to $262.4 million in the six months ended June 30, 2016. The decrease in sales for the three and six

months ended June 30, 2016 is primarily attributable to a decrease in sales of Access and Aggregation products, partially offset by an increase in Customer Devices products. The decrease in sales of our Access and Aggregation products is primarily attributable to a decrease in international hiX product sales, partially offset by an increase in U.S. Total Access 5000 product sales. The increase in sales of our Customer Devices products is primarily attributable to increased sales of our FTTP ONT products and Ethernet products.

Services & Support sales increased 50.6% from $16.0 million in the three months ended June 30, 2015 to $24.2 million in the three months ended June 30, 2016, and increased 44.6% from $29.4 million in the six months ended June 30, 2015 to $42.5 million in the six months ended June 30, 2016. The increase in sales for the three and six months ended June 30, 2016 is primarily attributable to an increase in network installation services for access and aggregation products.

International sales, which are included in the Network Solutions and Services & Support amounts discussed above, decreased 47.8% from $55.7 million in the three months ended June 30, 2015 to $29.1 million in the three months ended June 30, 2016, and decreased 52.3% from $115.1 million in the six months ended June 30, 2015 to $54.9 million in the six months ended June 30, 2016. International sales, as a percentage of total sales, decreased from 34.8% and 38.0% for the three and six months ended June 30, 2015 to 17.9% and 18.0% for the three and six months ended June 30, 2016. The decrease in international sales for the three and six months ended June 30, 2016 is primarily attributable to the return to more seasonally normal buying patterns in Europe and also, relating to the decrease in international sales as a percentage of revenue, growing momentum in the U.S. broadband market.

COST OF SALES

As a percentage of sales, cost of sales decreased from 57.4% in the three months ended June 30, 2015 to 51.5% in the three months ended June 30, 2016, and decreased from 55.8% in the six months ended June 30, 2015 to 52.5% in the six months ended June 30, 2016. The decrease in cost of sales for the three and six months ended June 30, 2016 is primarily attributable to a regional revenue shift and a change in product and services mix.

Network Solutions cost of sales, as a percent of that segment’s sales, decreased from 58.4% in the three months ended June 30, 2015 to 49.0% in the three months ended June 30, 2016, and decreased from 56.9% in the six months ended June 30, 2015 to 50.3% in the six months ended June 30, 2016. The decrease in cost of sales for the three and six months ended June 30, 2016 is primarily attributable to a regional revenue shift and customer and product mix.

Services & Support cost of sales, as a percent of that segment’s sales, increased from 47.9% in the three months ended June 30, 2015 to 65.8% in the three months ended June 30, 2016, and increased from 45.6% in the six months ended June 30, 2015 to 66.5% in the six months ended June 30, 2016. The increase in cost of sales for the three and six months ended June 30, 2016 is primarily attributable to an increase in network installation services, which have higher costs, versus a greater mix of maintenance and support services in the prior periods.

An important part of our strategy is to reduce the product cost of each succeeding product generation and then to lower the product’s price based on the cost savings achieved. This may cause variations in our gross profit percentage due to timing differences between the recognition of cost reductions and the lowering of product selling prices.

SELLING, GENERAL AND ADMINISTRATIVE EXPENSES

Selling, general and administrative expenses increased 2.3% from $32.1 million in the three months ended June 30, 2015 to $32.9 million in the three months ended June 30, 2016, and increased 0.7% from $63.2 million in the six months ended June 30, 2015 to $63.7 million in the six months ended June 30, 2016. The increase in selling, general and administrative expenses for the three and six months ended June 30, 2016 is primarily attributable to an increase

in compensation expense, partially offset by a decrease in professional services.

As a percentage of sales, selling, general and administrative expenses increased from 20.1% in the three months ended June 30, 2015 to 20.2% in the three months ended June 30, 2016, and was consistent at 20.9% in the six months ended June 30, 2015 and 2016. Selling, general and administrative expenses as a percentage of sales may fluctuate whenever there is a significant fluctuation in revenues for the periods being compared.

RESEARCH AND DEVELOPMENT EXPENSES

Research and development expenses decreased 11.8% from $35.5 million in the three months ended June 30, 2015 to $31.3 million in the three months ended June 30, 2016, and decreased 10.7% from $68.0 million in the six months ended June 30, 2015 to $60.8 million in the six months ended June 30, 2016. The decrease in research and development expenses for the three months ended June 30, 2016 is primarily attributable to a decrease in compensation expense and testing expense. The decrease in research and development expenses for the six months ended June 30, 2016 is primarily attributable to a decrease in compensation expense and testing expense, partially offset by an increase in contract services. The decrease is compensation expense for the three and six months ended June 30, 2016 was primary attributable to the consolidation of engineering resources that occurred in the second quarter of 2015.

As a percentage of sales, research and development expenses decreased from 22.2% in the three months ended June 30, 2015 to 19.2% in the three months ended June 30, 2016, and decreased from 22.4% in the six months ended June 30, 2015 to 19.9% in the six months ended June 30, 2016. Research and development expenses as a percentage of sales will fluctuate whenever there are incremental product development activities or a significant fluctuation in revenues for the periods being compared.

We expect to continue to incur research and development expenses in connection with our new and existing products and our expansion into international markets. We continually evaluate new product opportunities and engage in intensive research and product development efforts which provides for new product development, enhancement of existing products and product cost reductions. We may incur significant research and development expenses prior to the receipt of revenues from a major new product group.

INTEREST AND DIVIDEND INCOME

Interest and dividend income increased 2.1%, or $19 thousand from the three months ended June 30, 2015 to the three months ended June 30, 2016, and decreased 3.2%, or $0.1 million from the six months ended June 30, 2015 to the six months ended June 30, 2016. The increase in interest and dividend income for the three months ended June 30, 2016, is primarily attributable to an increase in interest rates. The decrease in interest and dividend income for the six months ended June 30, 2016 is primarily attributable to a reduction in investment principal, partially offset by a small increase in interest rates.

INTEREST EXPENSE

Interest expense, which is primarily related to our taxable revenue bond, remained constant at $0.1 million in the three months ended June 30, 2015 and 2016, and $0.3 million in the six months ended June 30, 2015 and 2016, as we had no substantial change in our fixed-rate borrowing. See “Liquidity and Capital Resources” below for additional information on our revenue bond.

NET REALIZED INVESTMENT GAIN

Net realized investment gains decreased 65.9% from $3.3 million in the three months ended June 30, 2015 to $1.1 million in the three months ended June 30, 2016, and decreased 55.4% from $6.4 million in the six months ended June 30, 2015 to $2.8 million in the six months ended June 30, 2016. The decrease in realized investment gains for the three and six months ended June 30, 2016 is primarily attributable to decreased gains from the sale of equity securities. See “Investing Activities” in “Liquidity and Capital Resources” below for additional information.

OTHER INCOME (EXPENSE), NET

Other income (expense), net, comprised primarily of miscellaneous income, gains and losses on foreign currency transactions, investment account management fees, and scrap raw material sales, changed from $0.5 million of expense in the three months ended June 30, 2015 to $0.3 million of expense in the three months ended June 30, 2016, and changed from $0.9 million of expense in the six months ended June 30, 2015 to $0.1 million of expense in the six months ended June 30, 2016. The change for the three and six months ended June 30, 2016 is primarily attributable to reduced losses on foreign currency transactions.

INCOME TAXES

Our effective tax rate decreased from 39.1% in the six months ended June 30, 2015 to 37.9% in the six months ended June 30, 2016. The decrease in the effective tax rate between the two periods is primarily attributable to the research and development tax credit being made permanent.

NET INCOME

As a result of the above factors, net income increased $7.7 million from $2.5 million in the three months ended June 30, 2015 to $10.2 million in the three months ended June 30, 2016, and increased $9.4 million from $5.9 million in the six months ended June 30, 2015 to $15.2 million in the six months ended June 30, 2016.

As a percentage of sales, net income increased from 1.6% in the three months ended June 30, 2015 to 6.3% in the three months ended June 30, 2016, and increased from 1.9% in the six months ended June 30, 2015 to 5.0% in the six months ended June 30, 2016.

LIQUIDITY AND CAPITAL RESOURCES

Liquidity

We intend to finance our operations with cash flow from operations. We have used, and expect to continue to use, the cash generated from operations for working capital, purchases of treasury stock, shareholder dividends, and other general corporate purposes, including (i) product development activities to enhance our existing products and develop new products and (ii) expansion of sales and marketing activities. We believe our cash and cash equivalents, investments and cash generated from operations to be adequate to meet our operating and capital needs for at least the next 12 months.

At June 30, 2016, cash on hand was $70.9 million and short-term investments were $50.9 million, which resulted in available short-term liquidity of $121.8 million, of which $34.2 million was held by our foreign subsidiaries. At December 31, 2015, cash on hand was $84.6 million and short-term investments were $34.4 million, which resulted in available short-term liquidity of $118.9 million, of which $38.9 million was held by our foreign subsidiaries. The increase in short-term liquidity from December 31, 2015 to June 30, 2016 is primarily attributable to shifts among available investment option tenures to provide funds for our short-term cash needs.

Operating Activities

Our working capital, which consists of current assets less current liabilities, increased 1.3% from $238.1 million as of December 31, 2015 to $241.2 million as of June 30, 2016. The increase in our working capital is primarily attributable to an increase in accounts receivable, partially offset by a decrease in other receivables and inventory, and an increase in accounts payable. The quick ratio, defined as cash, cash equivalents, short-term investments, and net accounts receivable, divided by current liabilities, remained consistent at 2.06 as of December 31, 2015 and 2.05 as of June 30, 2016. The current ratio, defined as current assets divided by current liabilities, decreased from 3.57 as of December 31, 2015 to 3.34 as of June 30, 2016. The decrease in the current ratio is primarily attributable to an increase in accounts payable, accrued wages and benefits, and a decrease in inventory, partially offset by an increase in accounts receivable.

Net accounts receivable increased 24.3% from $71.9 million at December 31, 2015 to $89.4 million at June 30, 2016. Our allowance for doubtful accounts was $19 thousand at December 31, 2015 and June 30, 2016. Quarterly accounts receivable days sales outstanding (DSO) increased from 48 days as of December 31, 2015 to 50 days as of June 30, 2016. The change in net accounts receivable is due to changes in customer mix and the timing of sales and collections during the quarter. Certain international customers can have longer payment terms than U.S. customers. Other receivables decreased from $19.3 million at December 31, 2015 to $11.7 million at June 30, 2016. The decrease in other receivables is primarily attributable to the timing of filing returns and collections of VAT receivables in our international subsidiaries. Other receivables will also fluctuate due to the timing of shipments and collections for materials supplied to our contract manufacturers during the quarter.

Quarterly inventory turnover increased from 3.3 turns as of December 31, 2015 to 3.7 turns at June 30, 2016. Inventory decreased 5.0% from December 31, 2015 to June 30, 2016. We expect inventory levels to fluctuate as we attempt to maintain sufficient inventory in response to services activity and seasonal cycles of our business, ensuring competitive lead times while managing the risk of inventory obsolescence that may occur due to rapidly changing technology and customer demand.

Accounts payable increased 21.7% from $48.7 million at December 31, 2015 to $59.2 million at June 30, 2016. Accounts payable will fluctuate due to variations in the timing of the receipt of supplies, inventory and services and our subsequent payments for these purchases.

Investing Activities

Capital expenditures totaled approximately $6.7 million and $5.4 million for the six months ended June 30, 2016 and 2015, respectively. These expenditures were primarily used to purchase computer hardware, software, manufacturing and test equipment, and building improvements.

Our combined short-term and long-term investments increased $4.7 million from $232.4 million at December 31, 2015 to $237.1 million at June 30, 2016. This increase reflects the impact of our cash needs for capital expenditures, purchases of treasury stock, and shareholder dividends, as well as net realized and unrealized losses and amortization of net premiums on our combined investments, partially offset by additional funds available for investment provided by our operating activities and stock option exercises by our employees.

We invest all available cash not required for immediate use in operations primarily in securities that we believe bear minimal risk of loss. At June 30, 2016 these investments included corporate bonds of $54.1 million, municipal fixed-rate bonds of $16.9 million, asset-backed bonds of $23.6 million, mortgage/agency-backed bonds of $19.2 million, U.S. government bonds of $33.8 million, and variable rate demand notes of $11.7 million. At December 31, 2015, these investments included corporate bonds of $57.6 million, municipal fixed-rate bonds of $26.4 million, asset-backed bonds of $19.2 million, mortgage/agency-backed bonds of $15.4 million, and U.S. government bonds of $35.4 million. As of June 30, 2016, our corporate bonds, municipal fixed-rate bonds, asset-backed bonds, mortgage/agency-backed bonds, U.S. government bonds, and variable rate demand notes were classified as available-for-sale and had a combined duration of 0.96 years with an average Standard & Poor's credit rating of AA-. Because our bond portfolio has a high quality rating and contractual maturities of a short duration, we are able to obtain prices for these bonds derived from observable market inputs, or for similar securities traded in an active market, on a daily basis.

Our long-term investments decreased 5.9% from $198.0 million at December 31, 2015 to $186.2 million at June 30, 2016. Long-term investments at June 30, 2016 and December 31, 2015 included an investment in a certificate of deposit of $30.0 million, which serves as collateral for our revenue bond. See "Debt" below for additional information. We have various equity investments included in long-term investments at a cost of $32.9 million and $31.6 million, and with a fair value of $33.4 million and $34.3 million, at June 30, 2016 and December 31, 2015, respectively.

Long-term investments at June 30, 2016 and December 31, 2015 also included $13.1 million and $12.8 million, respectively, related to our deferred compensation plans, and $1.2 million and $1.3 million, respectively, of other investments carried at cost, consisting of interests in two private equity funds and an investment in a privately held telecommunications equipment manufacturer.

We review our investment portfolio for potential "other-than-temporary" declines in value on an individual investment basis. We assess, on a quarterly basis, significant declines in value which may be considered other-than-temporary and, if necessary, recognize and record the appropriate charge to write-down the carrying value of such investments. In making this assessment, we take into consideration qualitative and quantitative information, including but not limited to the following: the magnitude and duration of historical declines in market prices, credit rating activity, assessments of liquidity, public filings, and statements made by the issuer. We generally begin our identification of potential other-than-temporary impairments by reviewing any security with a fair value that has declined from its original or adjusted cost basis by 25% or more for six or more consecutive months. We then evaluate the individual security based on the previously identified factors to determine the amount of the write-down, if any. For the three and six months ended June 30, 2016 and 2015, other-than-temporary impairment charges were not significant.

Financing Activities

Dividends

In July 2003, our Board of Directors elected to begin declaring quarterly dividends on our common stock considering the tax treatment of dividends and adequate levels of Company liquidity. During the six months ended June 30, 2016, we paid dividends totaling $8.9 million.

Debt

We have amounts outstanding under loans made pursuant to an Alabama State Industrial Development Authority revenue bond (the Bond) which totaled $28.9 million at June 30, 2016 and December 31, 2015. At June 30, 2016, the

estimated fair value of the Bond was approximately $29.4 million, based on a debt security with a comparable interest rate and maturity and a Standard & Poor's credit rating of AAA. Included in long-term investments are restricted funds in the amount of $30.0 million at June 30, 2016 and December 31, 2015, which is a collateral deposit against the principal amount of the Bond. We have the right to set-off the balance of the Bond with the collateral deposit in order to reduce the balance of the indebtedness. The Bond matures on January 1, 2020, and bears interest at the rate of 2% per annum. In conjunction with this program, we are eligible to receive certain economic incentives from the state of Alabama that reduce the amount of payroll withholdings we are required to remit to the state for those employment positions that qualify under this program. We are required to make payments in the amounts necessary to pay the interest on the amounts currently outstanding. It is our intent to make annual principal payments in addition to the interest amounts that are due. In connection with this decision, $1.0 million of the Bond has been classified as a current liability in accounts payable in the Consolidated Balance Sheet at June 30, 2016.

Stock Repurchase Program

Since 1997, our Board of Directors has approved multiple share repurchase programs that have authorized open market repurchase transactions of up to 50.0 million shares of our common stock, which will be implemented through open market or private purchases from time to time as conditions warrant. During the six months ended June 30, 2016, we repurchased 0.9 million shares of our common stock at an average price of $18.48 per share. As of June 30, 2016, we have the authority to purchase an additional 4.9 million shares of our common stock under the current plans approved by the Board of Directors.

Stock Option Exercises

We issued 33 thousand shares of treasury stock during the six months ended June 30, 2016 to accommodate employee stock option exercises. The stock options had exercise prices ranging from $15.29 to $18.97. We received proceeds totaling $0.5 million from the exercise of these stock options during the six months ended June 30, 2016.

Off-Balance Sheet Arrangements and Contractual Obligations

We do not have off-balance sheet financing arrangements and have not engaged in any related party transactions or arrangements with unconsolidated entities or other persons that are reasonably likely to materially affect liquidity or the availability of or requirements for capital resources. During the six months ended June 30, 2016, there have been no material changes in contractual obligations and commercial commitments from those discussed in our most recent Annual Report on Form 10-K for the year ended December 31, 2015 filed on February 24, 2016 with the SEC.

We have committed to invest up to an aggregate of $7.9 million in two private equity funds, and we have contributed $8.4 million as of June 30, 2016, of which $7.7 million has been applied to these commitments.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

We are exposed to financial market risks, including changes in interest rates, foreign currency rates and prices of marketable equity and fixed-income securities. The primary objective of the large majority of our investment activities is to preserve principal while at the same time achieving appropriate yields without significantly increasing risk. To achieve this objective, a majority of our marketable securities are investment grade, municipal fixed-rate bonds, variable rate demand notes and municipal money market instruments denominated in U.S. dollars. Our investment policy provides limitations for issuer concentration, which limits, at the time of purchase, the concentration in any one issuer to 5% of the market value of our total investment portfolio.

We maintain depository investments with certain financial institutions. Although these depository investments may exceed government insured depository limits, we have evaluated the credit worthiness of these financial institutions, and determined the risk of material financial loss due to exposure of such credit risk to be minimal. As of June 30, 2016, $68.3 million of our cash and cash equivalents, primarily certain domestic money market funds and foreign depository accounts, were in excess of government provided insured depository limits.

As of June 30, 2016, approximately $166.1 million of our cash and investments may be directly affected by changes in interest rates. We have performed a hypothetical sensitivity analysis assuming market interest rates increase or decrease by 50 basis points (bps) for an entire year, while all other variables remain constant. At June 30, 2016, we held $70.4 million of cash and variable-rate investments where a change in interest rates would impact our interest income. A hypothetical 50 bps decline in interest rates as of June 30, 2016 would reduce annualized interest income on our cash and investments by approximately $0.3 million. In addition, we held $95.7 million of fixed-rate bonds whose fair values may be directly affected by a change in interest rates. A hypothetical 50 bps increase in interest rates as of June 30, 2016 would reduce the fair value of our fixed-rate bonds by approximately $0.5 million.

As of June 30, 2015, approximately $201.9 million of our cash and investments was subject to being directly affected by changes in interest rates. We have performed a hypothetical sensitivity analysis assuming market interest rates increase or decrease by 50 bps for the entire year, while all other variables remain constant. A hypothetical 50 bps decline in interest rates as of June 30, 2015 would have reduced annualized interest income on our cash, money market instruments and variable rate demand notes by approximately $0.4 million. In addition, a hypothetical 50 bps increase in interest rates as of June 30, 2015 would have reduced the fair value of our municipal fixed-rate bonds and corporate bonds by approximately $0.9 million.

We are exposed to changes in foreign currency exchange rates to the extent that such changes affect our revenue and gross margin on revenue derived from some international customers, expenses, and assets and liabilities held in non-functional currencies related to our foreign subsidiaries. Our primary exposures to foreign currency exchange rates are with our Mexican subsidiary, whose functional currency is the United States dollar, our German subsidiary, whose functional currency is the Euro, and our Australian subsidiary, whose functional currency is the Australian dollar. We are exposed to changes in foreign currency exchange rates to the extent of our German subsidiary’s use of contract manufacturers and raw material suppliers whom we predominately pay in U.S. dollars. As a result, changes in currency exchange rates could cause variations in gross margin in the products that we sell in the EMEA region.

We have certain international customers who are invoiced or pay in a non-functional currency. Changes in the monetary exchange rates used to invoice such customers versus the functional currency of the entity billing such customers may adversely affect our results of operations and financial condition. To manage the volatility relating to these typical business exposures, we may enter into various derivative transactions, when appropriate. We do not hold or issue derivative instruments for trading or other speculative purposes. All non-functional currencies billed would result in a combined hypothetical gain or loss of $0.1 million if the U.S. dollar weakened or strengthened 10% against the billing currencies. Any gain or loss would be partially mitigated by the forward contracts discussed in the

following paragraph.

As of June 30, 2016, we had no material contracts, other than accounts receivable, accounts payable, and loans to a subsidiary, denominated in foreign currencies. As of June 30, 2016, we had forward contracts outstanding with notional amounts totaling €6.0 million ($6.7 million), which mature in the third quarter of 2016. The fair value of these forward contracts was a net asset of approximately $0.2 million as of June 30, 2016.

For further information about the fair value of our available-for-sale investments and our derivative and hedging activities as of June 30, 2016, see Notes 5 and 6 of Notes to Consolidated Financial Statements.

ITEM 4. CONTROLS AND PROCEDURES

(a) Evaluation of disclosure controls and procedures. Our Chief Executive Officer and Chief Financial Officer are responsible for establishing and maintaining "disclosure controls and procedures" (as defined in the Securities Exchange Act of 1934 Rules 13a-15(e) and 15d-15(e)) for ADTRAN. Our Chief Executive Officer and Chief Financial Officer, after evaluating the effectiveness of our disclosure controls and procedures as of the end of the period covered by this quarterly report, have concluded that our disclosure controls and procedures are effective.

(b) Changes in internal control over financial reporting. There were no changes in our internal control over financial reporting that occurred during our most recent fiscal quarter that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II. OTHER INFORMATION

ITEM 1A. RISK FACTORS

A list of factors that could materially affect our business, financial condition or operating results is described in Part I, Item 1A, “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2015. There have been no material changes to our risk factors since our Annual Report on Form 10-K for the year ended December 31, 2015.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

The following table sets forth repurchases of our common stock for the months indicated:

| Period | Total Number of Shares Purchased | Average Price Paid per Share | Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs | Maximum Number of Shares that May Yet Be Purchased Under the Plans or Programs |
|---|---|---|---|---|
| April 1, 2016 – April 30, 2016 | 30,222 | 18.64 | 30,222 | 5,197,343 |
| May 1, 2016 – May 31, 2016 | 268,391 | 18.68 | 268,391 | 4,928,952 |
| June 1, 2016 – June 30, 2016 | - | - | - | 4,928,952 |
| Total | 298,613 | | 298,613 | |

On July 14, 2015, our Board of Directors authorized the repurchase of an additional 5.0 million shares of our common stock (bringing the total shares authorized for repurchase to 50.0 million). This authorization will be implemented through open market or private purchases from time to time as conditions warrant.

ITEM 6. EXHIBITS

Exhibits.

| Exhibit No. | Description |
|---|---|
| 31 | Rule 13a-14(a)/15d-14(a) Certifications |
| 32 | Section 1350 Certifications |
| 101.INS* | XBRL Instance Document |
| 101.SCH* | XBRL Taxonomy Extension Schema Document |
| 101.CAL* | XBRL Taxonomy Extension Calculation Linkbase Document |
| 101.LAB* | XBRL Taxonomy Extension Labels Linkbase Document |
| 101.PRE* | XBRL Taxonomy Extension Presentation Linkbase Document |
| 101.DEF* | XBRL Taxonomy Extension Definition Linkbase Document |

* Pursuant to Regulation S-T, this interactive data file is deemed not filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, is deemed not filed for purposes of Section 18 of the Securities Exchange Act of 1934, and otherwise is not subject to liability under these sections.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

ADTRAN, Inc.

(Registrant)

Date: August 5, 2016 /s/ Roger D. Shannon
Roger D. Shannon
Senior Vice President of Finance,
Chief Financial Officer,
Corporate Treasurer and Secretary
(Principal Financial Officer)

EXHIBIT INDEX

| Exhibit No. | Description |
|---|---|
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| 32 | Section 1350 Certifications |
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| 101.SCH* | XBRL Taxonomy Extension Schema Document |
| 101.CAL* | XBRL Taxonomy Extension Calculation Linkbase Document |
| 101.LAB* | XBRL Taxonomy Extension Labels Linkbase Document |
| 101.PRE* | XBRL Taxonomy Extension Presentation Linkbase Document |
| 101.DEF* | XBRL Taxonomy Extension Definition Linkbase Document |

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