SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER

PURSUANT TO RULE 13a-16 OR 15d-16 OF

THE SECURITIES EXCHANGE ACT OF 1934

For the month of October, 2010

SILICOM LTD.

(Translation of Registrant's name into English)

8 Hanagar St., P.O.Box 2164, Kfar-Sava 44425, Israel

(Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F b Form 40-F o

Indicate by check mark whether the registrant by furnishing the information contained in this form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934:

Yes o No þ

Attached hereto and incorporated by reference herein is Registrant's press release dated October 25th, 2010 announcing Registrant's second quarter financial results.

This report on Form 6-K is incorporated by reference into all effective registration statements filed by the Registrant under the Securities Act of 1933.

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.

SILICOM Ltd. (Registrant)

By:

/s/ Eran Gilad Eran Gilad CFO

Dated: October 25th, 2010

FOR IMMEDIATE RELEASE

EARNINGS RELEASE

STRONG MOMENTUM DRIVES CONTINUED GROWTH FOR SILICOM IN Q3: QUARTERLY REVENUES OF \$7.4M WITH \$0.21 EPS

– Wins Secured During the Quarter Strengthen Indications of Continued Short & Long-Term Growth –

KFAR SAVA, Israel—October 25, 2010--Silicom Ltd. (NASDAQ and TASE: SILC) today reported financial results for the third quarter ended September 30, 2010.

Financial Results

Revenues for the third quarter of 2010 were \$7.4 million, a 59% increase compared with \$4.6 million for the third quarter of 2009 and a 10% increase compared with \$6.7 million for the second quarter of 2010.

Operating income for the quarter was \$1.6 million, representing an operating margin of 21%, a five-fold increase compared with \$333,000 in the third quarter of 2009, and an 11% increase compared with the second quarter of 2010. Net income for the quarter was \$1.4 million, or \$0.21 per share (basic and diluted), up 316% compared with \$346,000, or \$0.05 per share (basic and diluted), for the third quarter of 2009.

For the nine-month period, revenues were \$20.5 million, a 50% increase compared with \$13.7 million for the parallel period of 2009. Operating income for the first nine months of 2010 increased by 249% to \$4.0 million from \$1.1 million in the prior-year period. Net income for the period increased by 156% to \$3.8 million, or \$0.54 per diluted share (\$0.55 per basic share) compared with \$1.5 million, or \$0.21 per diluted share (\$0.22 per basic share), for the first nine months of 2009.

As of September 30, 2010, the Company's cash, cash equivalents, bank deposits and marketable securities totaled \$44.9 million, or \$6.60 per outstanding share. This is up \$1.0 million compared with the end of the second quarter of 2010.

Comments of Management

Commenting on the results, Shaike Orbach, President and CEO, said, "We are pleased to report another quarter of strong positive momentum marked by near-record revenues and profits together with exciting new deals for both established and new product lines.

"During the quarter, we announced three major wins that illustrate our growing momentum. In co-operation with a Fortune-100 industry giant, we achieved a breakthrough with our new SETAC Server-To-Appliance-Converter product line, selling SETAC-based solutions to a Tier-1 security leader in a deal that will generate \$3 million for us in its first production year. In parallel, we have announced two important wins with our established networking server adapter product line: one with a data center-class WAN Optimization leader, and the other with a Japanese server manufacturer, an existing customer that has introduced us to another of its divisions."

Mr. Orbach continued, "As such, we are now benefiting from two independent growth avenues. First, we continue to expand our server adapter business through the addition of new customers, the sale of more products to existing customers, the penetration of new divisions of existing customers, and the securing of design wins into customers' new solutions. In parallel, we are more confident than ever about the potential of our SETAC business, which is developing more rapidly and successfully than we originally projected."

Mr. Orbach concluded, "We are therefore extremely optimistic as we look to the future. With markets that need our solutions, strong traction in our established business and growing acceptance of our new product lines, we feel well-positioned to generate continued growth. The path that we are following has already begun building our business to the next level, and we look forward to reporting continued progress over the short and the long term."

Conference Call Details:

Silicom's Management will host an interactive conference today, October 25th, at 9am EDT (6am Pacific Time, 3pm Israel Time) to review and discuss the results. To participate, please call one of the following teleconferencing numbers. Please begin placing your calls at least 10 minutes before the conference call commences. If you are unable to connect using the toll-free numbers, try the international dial-in number.

US: 1 866 860 9642

UK: 0 800 917 5108

ISRAEL: 03 918 0609

INTERNATIONAL: +972 3 918 0609

At: 9:00am Eastern Time, 6:00am Pacific Time, 3:00pm Israel Time

For those unable to listen to the live call, a replay of the call will be available for three months from the day after the call under the investor relations section of Silicom's website, at: www.silicom.co.il

To participate, please call one of the following teleconferencing numbers. Please begin placing your calls at least 10 minutes before the conference call commences. If you are unable to connect using the toll-free numbers, try the international dial-in number.

About Silicom

Silicom Ltd. is an industry-leading provider of high-performance networking solutions designed to increase the throughput and availability of networking appliances and server-based systems.

Silicom's large and growing base of OEM customers includes most of the market-leading players in the areas of WAN Optimization, Security and other mission-critical gateway applications. Silicom's products include a variety of multi-port 1/10 Gigabit Ethernet server adapters, innovative internal and external BYPASS solutions and advanced Smart adapters, including SSL encryption solutions and Redirector adapters.

In addition, Silicom's patent-pending new SETAC (Server To Appliance Converter) product family is a unique solution that enables standard servers to be configured as network appliances with high-density front networking ports and no-hassle port modularity.

For more information, please visit: www.silicom.co.il.

Statements in this press release which are not historical data are forward-looking statements which involve known and unknown risks, uncertainties, or other factors not under the Company's control, which may cause actual results, performance, or achievements of the Company to be materially different from the results, performance, or other expectations implied by these forward-looking statements. These factors include, but are not limited to, those detailed in the Company's periodic filings with the Securities and Exchange Commission. The Company disclaims any duty to update such statements.

Company Contact: Eran Gilad, CFO Silicom Ltd. Tel: +972-9-764-4555 E-mail: erang@silicom.co.il

-- FINANCIAL TABLES FOLLOW --

Investor relations contact: Kenny Green / Ehud Helft CCG Israel Investor Relations Tel: +1 646 201 9246 E-mail : silicom@ccgisrael.com

Edgar Filing: SILICOM LTD - Form 6-K

Silicom Ltd. Consolidated Balance Sheets (US\$ thousands)

Assets Current assets Cash and cash equivalents \$8,141 \$7,253 Short-term bank deposits 7,639 7,253 Marketable securities 10,173 10,425 Accounts receivables: Trade, net 4,459 5,172 Accounts receivables: Other 755 371 Inventories 8,920 4,677 Deferred tax assets 69 233 Total current assets 40,156 35,384 Marketable securities 18,985 18,308 Assets held for employees' severance benefits 1,240 1,105 Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets \$61,187 \$55,591 Liabilities 1,750 2,138 Total assets 1,750 2,138 Total current liabilities 5,930 4,399 Liabilities 2,088 1,967 Total current liabilities 5,930 4,399 Liabilities 8,018 6,366 Shareholders' equity 0 0		September 30, 2010	December 31, 2009
Cash and cash equivalents \$8,141 \$7,253 Short-term bank deposits 7,639 7,253 Marketable securities 10,173 10,425 Accounts receivables: Trade, net 4,459 5,172 Accounts receivables: Other 755 371 Inventories 8,920 4,677 Deferred tax assets 69 233 Total current assets 40,156 35,384 Marketable securities 18,985 18,308 Assets held for employees' severance benefits 1,240 1,105 Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets \$61,187 \$55,591 Liabilities 7,50 2,138 Total current liabilities 5,930 4,399 Liability for employees' severance benefits 2,088 1,967 Total liabilities 5,930 4,399 Liabilities 2,088 1,967 Total current liabilities 2,088 1,967 Total current liabilities 2,088 1,967 Total liabili	Assets		
Short-term bank deposits 7,639 7,253 Marketable securities 10,173 10,425 Accounts receivables: Trade, net 4,459 5,172 Accounts receivables: Other 755 371 Inventories 8,920 4,677 Deferred tax assets 69 233 Total current assets 40,156 35,384 Marketable securities 18,985 18,308 Assets held for employees' severance benefits 1,240 1,105 Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets \$61,187 \$55,591 Liabilities 1,750 2,138 Total current liabilities \$9,30 4,399 Liabilities 5,930 4,399 Liability for employees' severance benefits 2,088 1,967 Total assets 2,088 1,967 Current liabilities \$9,30 4,399 Liability for employees' severance benefits 2,088 1,967 Total liabilities \$9,30 4,399 Liability for e	Current assets		
Marketable securities 10,173 10,425 Accounts receivables: Trade, net 4,459 5,172 Accounts receivables: Other 755 371 Inventories 8,920 4,677 Deferred tax assets 69 233 Total current assets 40,156 35,384 Marketable securities 18,985 18,308 Assets held for employees' severance benefits 1,240 1,105 Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets \$61,187 \$55,591 Liabilities \$4,180 \$2,261 Other accounts payable \$4,180 \$2,261 Other accounts payable and accrued expenses 1,750 2,138 Total liabilities 2,088 1,967 Total liabilities 2,088 1,967 Total liabilities 2,088 1,967 Total liabilities 8,018 6,366 Shareholders' equity 0(38) (38 Ordinary shares and additional paid-in capital 34,357 34,174	Cash and cash equivalents	\$8,141	\$7,253
Accounts receivables: Trade, net $4,459$ $5,172$ Accounts receivables: Other 755 371 Inventories $8,920$ $4,677$ Deferred tax assets 69 233 Total current assets $40,156$ $35,384$ Marketable securities $18,985$ $18,308$ Assets held for employees' severance benefits $1,240$ $1,105$ Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets $\$61,187$ $\$55,591$ Liabilities $$4,180$ $\$2,261$ Other accounts payable $$4,180$ $\$2,261$ Other accounts payable and accrued expenses $1,750$ $2,138$ Total current liabilities $5,930$ $4,399$ Liability for employees' severance benefits $2,088$ $1,967$ Total liabilities $\$0,18$ $6,366$ Shareholders' equity $34,357$ $34,174$ Treasury shares (38) (38) (38) Notal Shareholders' equity $53,169$ $49,225$		7,639	7,253
Accounts receivables: Other 755 371 Inventories 8,920 4,677 Deferred tax assets 69 233 Total current assets 40,156 35,384 Marketable securities 18,985 18,308 Assets held for employees' severance benefits 1,240 1,105 Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets \$61,187 \$55,591 Liabilities and shareholder's equity 596 602 Current liabilities 1,750 2,138 Total current liabilities 2,088 1,967 Total current liabilities 5,930 4,399 Liability for employees' severance benefits 2,088 1,967 Total liabilities 2,088 1,967 Total liabilities 2,088 1,967 Total liabilities 3,018 6,366 Shareholders' equity 34,357 34,174 Treasury shares and additional paid-in capital 34,357 34,174 Treasury shares (38) (38)	Marketable securities	10,173	10,425
Inventories $8,920$ $4,677$ Deferred tax assets 69 233 Total current assets $40,156$ $35,384$ Marketable securities $18,985$ $18,308$ Assets held for employees' severance benefits $1,240$ $1,105$ Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets $861,187$ $$55,591$ Liabilities and shareholder's equity $$61,187$ $$55,591$ Liabilities $$7,50$ $2,138$ Total current liabilities $$930$ $4,399$ Liability for employees' severance benefits $2,088$ $1,967$ Total liabilities $$0,188$ $6,366$ Shareholders' equity $$34,357$ $34,174$ Treasury shares and additional paid-in capital $34,357$ $34,174$ Treasury shares (38) (38) (38) Total Shareholders' equity $53,169$ $49,225$	Accounts receivables: Trade, net	4,459	5,172
Deferred tax assets 69 233 Total current assets $40,156$ $35,384$ Marketable securities $18,985$ $18,308$ Assets held for employees' severance benefits $1,240$ $1,105$ Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets $861,187$ $$55,591$ Liabilities and shareholder's equity $$61,187$ $$55,591$ Liabilities $$4,180$ $$2,261$ Other accounts payable and accrued expenses $1,750$ $2,138$ Total current liabilities $$930$ $4,399$ Liability for employees' severance benefits $2,088$ $1,967$ Total liabilities $$0,188$ $6,366$ Shareholders' equity $34,357$ $34,174$ Treasury shares and additional paid-in capital $34,357$ $34,174$ Treasury shares (38) (38) (38) Total Shareholders' equity $53,169$ $49,225$	Accounts receivables: Other	755	371
Total current assets $40,156$ $35,384$ Marketable securities $18,985$ $18,308$ Assets held for employees' severance benefits $1,240$ $1,105$ Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets $\$61,187$ $\$55,591$ Liabilities and shareholder's equity $$1,750$ $$2,138$ Current liabilities $$1,750$ $$2,138$ Total current liabilities $$5,930$ $$4,399$ Liability for employees' severance benefits $$2,088$ $1,967$ Total liabilities $$2,088$ $1,967$ Total liabilities $$308$ $$3,666$ Shareholders' equity $$34,357$ $$4,174$ Treasury shares and additional paid-in capital $$34,357$ $$4,174$ Treasury shares (38) (38) (38) Total Shareholders' equity $$3,169$ $49,225$	Inventories	8,920	4,677
Marketable securities18,98518,308Assets held for employees' severance benefits1,2401,105Deferred tax assets210192Property, plant and equipment, net596602Total assets\$61,187\$55,591Liabilities and shareholder's equity $$2,261$ Other accounts payable\$4,180\$2,261Other accounts payable and accrued expenses1,7502,138Total iabilities $$2,930$ 4,399Liability for employees' severance benefits $$2,088$ 1,967Total liabilities $$0,018$ $$6,366$ Shareholders' equity $$34,357$ $$4,174$ Treasury shares and additional paid-in capital $$4,357$ $$4,174$ Treasury shares (38) $$38,50$ $$5,089$ Total Shareholders' equity $$3,169$ $$49,225$	Deferred tax assets	69	233
Assets held for employees' severance benefits $1,240$ $1,105$ Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets $\$61,187$ $\$55,591$ Liabilities and shareholder's equity $$2,261$ $$4,180$ Current liabilities $$7,50$ $2,138$ Trade accounts payable and accrued expenses $1,750$ $2,138$ Total current liabilities $$9,930$ $4,399$ Liability for employees' severance benefits $$2,088$ $1,967$ Total liabilities $$8,018$ $$6,366$ Shareholders' equity $$34,357$ $34,174$ Treasury shares and additional paid-in capital $$34,357$ $$34,174$ Treasury shares (38) (38) $$3,169$ Total Shareholders' equity $53,169$ $49,225$	Total current assets	40,156	35,384
Assets held for employees' severance benefits $1,240$ $1,105$ Deferred tax assets 210 192 Property, plant and equipment, net 596 602 Total assets $\$61,187$ $\$55,591$ Liabilities and shareholder's equity $$2,261$ $$4,180$ Current liabilities $$7,50$ $2,138$ Trade accounts payable and accrued expenses $1,750$ $2,138$ Total current liabilities $$9,930$ $4,399$ Liability for employees' severance benefits $$2,088$ $1,967$ Total liabilities $$8,018$ $$6,366$ Shareholders' equity $$34,357$ $34,174$ Treasury shares and additional paid-in capital $$34,357$ $$34,174$ Treasury shares (38) (38) $$3,169$ Total Shareholders' equity $53,169$ $49,225$			
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Property, plant and equipment, net596602Total assets\$61,187\$55,591Liabilities and shareholder's equityCurrent liabilitiesTrade accounts payable\$4,180\$2,261Other accounts payable and accrued expenses1,7502,138Total current liabilities5,9304,399Liability for employees' severance benefits2,0881,967Total liabilities2,0881,967Shareholders' equityOrdinary shares and additional paid-in capital34,35734,174Treasury shares(38)(38)(38)Retained earnings18,85015,089Total Shareholders' equity53,16949,225	Assets held for employees' severance benefits	1,240	1,105
Total assets\$61,187\$55,591Liabilities and shareholder's equityCurrent liabilitiesTrade accounts payable\$4,180\$2,261Other accounts payable and accrued expenses1,7502,138Total current liabilities5,9304,399Liability for employees' severance benefits2,0881,967Total liabilities8,0186,366Shareholders' equityOrdinary shares and additional paid-in capital34,35734,174Treasury shares(38)(38))Retained earnings18,85015,089Total Shareholders' equity53,16949,225	Deferred tax assets	210	192
Liabilities and shareholder's equity Current liabilities Trade accounts payable Other accounts payable and accrued expenses 1,750 2,138 Total current liabilities 2,088 1,967 Liability for employees' severance benefits 2,088 1,967 Total liabilities 8,018 6,366 Shareholders' equity Ordinary shares and additional paid-in capital 34,357 34,174 Treasury shares (38) (38) Retained earnings Total Shareholders' equity 53,169 49,225	Property, plant and equipment, net	596	602
Liabilities and shareholder's equity Current liabilities Trade accounts payable Other accounts payable and accrued expenses 1,750 2,138 Total current liabilities 2,088 1,967 Liability for employees' severance benefits 2,088 1,967 Total liabilities 8,018 6,366 Shareholders' equity Ordinary shares and additional paid-in capital 34,357 34,174 Treasury shares (38) (38) Retained earnings Total Shareholders' equity 53,169 49,225			
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Current liabilitiesTrade accounts payable\$4,180\$2,261Other accounts payable and accrued expenses $1,750$ $2,138$ Total current liabilities $5,930$ $4,399$ Liability for employees' severance benefits $2,088$ $1,967$ Total liabilities $8,018$ $6,366$ Shareholders' equityOrdinary shares and additional paid-in capital $34,357$ $34,174$ Treasury shares (38) (38) (38) Retained earnings $18,850$ $15,089$ Total Shareholders' equity $53,169$ $49,225$			
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Total current liabilities5,9304,399Liability for employees' severance benefits2,0881,967Total liabilities8,0186,366Shareholders' equity34,35734,174Ordinary shares and additional paid-in capital34,35734,174Treasury shares(38)(38)(38)Retained earnings18,85015,089Total Shareholders' equity53,16949,225			
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Total liabilities8,0186,366Shareholders' equity		5,750	1,399
Total liabilities8,0186,366Shareholders' equity	Liability for employees' severance benefits	2 088	1 967
Shareholders' equityOrdinary shares and additional paid-in capital34,35734,174Treasury shares(38)(38))Retained earnings18,85015,089Total Shareholders' equity53,16949,225		2,000	1,907
Ordinary shares and additional paid-in capital34,35734,174Treasury shares(38)(38)(38)Retained earnings18,85015,089Total Shareholders' equity53,16949,225	Total liabilities	8,018	6,366
Ordinary shares and additional paid-in capital34,35734,174Treasury shares(38)(38)(38)Retained earnings18,85015,089Total Shareholders' equity53,16949,225			
Treasury shares (38) (38)) Retained earnings 18,850 15,089 Total Shareholders' equity 53,169 49,225	Shareholders' equity		
Retained earnings 18,850 15,089 Total Shareholders' equity 53,169 49,225	Ordinary shares and additional paid-in capital	34,357	34,174
Total Shareholders' equity53,16949,225	Treasury shares	(38) (38)
		18,850	15,089
	Total Shareholders' equity	53,169	49,225
		\$61,187	\$55,591

Silicom Ltd. Consolidated Statements of Income

(US\$ thousands, except for share and per share data)

	Three-month period ended September 30,		Nine-month period ended September 30,	
2010	2009	2010	2009	
\$7,380	\$4,638	\$20,519	\$13,704	
4,155	2,824	11,631	8,340	
3,225	1,814	8,888	5,364	
805	627	2,335	1,962	
547	478	1,540	1,300	
322	376	1,054	968	
1,674	1,481	4,929	4,230	
	ended S 2010 \$7,380 4,155 3,225 805 547 322	ended September 30, 2010 2009 \$7,380 \$4,638 4,155 2,824 3,225 1,814 805 627 547 478 322 376	ended September 30, ended Se 2010 2009 2010 \$7,380 \$4,638 \$20,519 4,155 2,824 11,631 3,225 1,814 8,888 805 627 2,335 547 478 1,540 322 376 1,054	