

Ashuri Roni
Form 4
July 26, 2012

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Ashuri Roni

2. Issuer Name and Ticker or Trading Symbol
Mellanox Technologies, Ltd.
[MLNX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
07/24/2012

____ Director
 Officer (give title below) _____ Other (specify below)
VP of Engineering

C/O MELLANOX
TECHNOLOGIES, LTD., BEIT
MELLANOX

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

YOKNEAM, L3 20692

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D)	Price		
Ordinary Shares	07/24/2012		S	4,500	D	\$ 90.3313 (1)	211,000 (2) D
Ordinary Shares	07/24/2012		S	5,895	D	\$ 90.8251 (3)	205,105 (2) D
Ordinary Shares	07/24/2012		S	2,104	D	\$ 91.239 (4)	203,001 (2) D
Ordinary Shares	07/24/2012		S	3,251	D	\$	199,750 (2) D

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Shares					91,8505			
					<u>(5)</u>			
					\$			
Ordinary Shares	07/24/2012	S	2,350	D	92.7514	197,400 <u>(2)</u>	D	
					<u>(6)</u>			
					\$			
Ordinary Shares	07/25/2012	S	2,650	D	90.8576	194,750 <u>(2)</u>	D	
					<u>(7)</u>			
					\$			
Ordinary Shares	07/25/2012	S	2,200	D	91.3321	192,550 <u>(2)</u>	D	
					<u>(8)</u>			
					\$			
Ordinary Shares	07/25/2012	S	2,050	D	92.2915	190,500 <u>(2)</u>	D	
					<u>(9)</u>			

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474
(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu... Deriv... Secur... Bene... Own... Follo... Repo... Trans... (Instr...
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Ashuri Roni C/O MELLANOX TECHNOLOGIES, LTD., BEIT MELLANOX YOKNEAM, L3 20692			VP of Engineering	

Signatures

/s/ Roni Ashuri by Michael Gray, Power of
Attorney

07/26/2012

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) This transaction was executed in multiple trades in prices ranging from \$90.05 to \$90.54. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

(2) Includes 26,958 RSUs. Upon vesting thereof, the Reporting Person is entitled to receive one (1) ordinary share for each one (1) RSU.

(3) This transaction was executed in multiple trades in prices ranging from \$90.58 to \$91.05. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

(4) This transaction was executed in multiple trades in prices ranging from \$91.06 to \$91.44. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

(5) This transaction was executed in multiple trades in prices ranging from \$91.45 to \$92.33. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

(6) This transaction was executed in multiple trades in prices ranging from \$92.34 to \$93.12. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

(7) This transaction was executed in multiple trades in prices ranging from \$90.53 to \$91.06. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

(8) This transaction was executed in multiple trades in prices ranging from \$91.07 to \$91.87. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

(9) This transaction was executed in multiple trades in prices ranging from \$91.90 to \$92.97. The price reported above reflects the weighted average sale price. The Reporting Person hereby undertakes to provide upon request to the SEC staff, the Issuer, or a stockholder of the Issuer, information regarding the number of shares and prices at which the transaction was effected.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.