

Ashuri Roni
Form 4
October 31, 2007

FORM 4

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

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

OMB APPROVAL

OMB
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(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)
C/O MELLANOX
TECHNOLOGIES,
LTD., HERMON BLDG.
(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
10/29/2007

____ Director ____ 10% Owner
X Officer (give title below) ____ Other (specify below)
VP of Engineering

YOKNEAM, L3 20692

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

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

(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 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount (A) or (D)	Price	
Ordinary Shares	10/29/2007		S		50	D \$ 23.27	534,200 D
Ordinary Shares	10/29/2007		S		50	D \$ 23.29	534,150 D
Ordinary Shares	10/29/2007		S		150	D \$ 23.3	534,000 D
Ordinary Shares	10/30/2007		S		900	D \$ 22.9	533,100 D
	10/30/2007		S		979	D \$ 22.91	532,121 D

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Ordinary Shares							
Ordinary Shares	10/30/2007	S	400	D	\$ 22.92	531,721	D
Ordinary Shares	10/30/2007	S	150	D	\$ 22.93	531,571	D
Ordinary Shares	10/30/2007	S	47	D	\$ 22.95	531,524	D
Ordinary Shares	10/30/2007	S	400	D	\$ 22.96	531,124	D
Ordinary Shares	10/30/2007	S	755	D	\$ 22.97	530,369	D
Ordinary Shares	10/30/2007	S	450	D	\$ 22.98	529,919	D
Ordinary Shares	10/30/2007	S	2,771	D	\$ 22.99	527,148	D
Ordinary Shares	10/30/2007	S	7,150	D	\$ 23	519,998	D
Ordinary Shares	10/30/2007	S	998	D	\$ 23.01	519,000	D
Ordinary Shares	10/31/2007	S	4,050	D	\$ 23	514,950	D
Ordinary Shares	10/31/2007	S	1,150	D	\$ 23.01	513,800	D
Ordinary Shares	10/31/2007	S	1,049	D	\$ 23.02	512,751	D
Ordinary Shares	10/31/2007	S	250	D	\$ 23.03	512,501	D
Ordinary Shares	10/31/2007	S	300	D	\$ 23.035	512,201	D
Ordinary Shares	10/31/2007	S	200	D	\$ 23.04	512,001	D
Ordinary Shares	10/31/2007	S	600	D	\$ 23.05	511,401	D
Ordinary Shares	10/31/2007	S	700	D	\$ 23.06	510,701	D
Ordinary Shares	10/31/2007	S	400	D	\$ 23.065	510,301	D
Ordinary Shares	10/31/2007	S	751	D	\$ 23.07	509,550	D
	10/31/2007	S	600	D	\$ 23.08	508,950	D

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Ordinary
Shares

Ordinary Shares	10/31/2007	S	800	D	\$ 23.085	508,150	D
Ordinary Shares	10/31/2007	S	450	D	\$ 23.09	507,700	D
Ordinary Shares	10/31/2007	S	6,300	D	\$ 23.1	501,400	D
Ordinary Shares	10/31/2007	S	272	D	\$ 23.105	501,128	D
Ordinary Shares	10/31/2007	S	1,278	D	\$ 23.11	499,850	D

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.

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(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. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Ashuri Roni
C/O MELLANOX TECHNOLOGIES, LTD.
HERMON BLDG.
YOKNEAM, L3 20692

VP of Engineering

Signatures

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

10/31/2007

__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).

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

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