Waldman Eyal Form 4 January 03, 2008

### FORM 4

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if no longer

Section 16.

Form 4 or

obligations

may continue.

See Instruction

Form 5

subject to

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

Washington, D.C. 20: STATEMENT OF CHANGES IN BENEFI

## 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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Waldman Eyal Issuer Symbol Mellanox Technologies, Ltd. (Check all applicable) [MLNX] (Last) (First) (Middle) 3. Date of Earliest Transaction \_X\_\_ Director X\_\_ 10% Owner \_ Other (specify X\_ Officer (give title (Month/Day/Year) below) C/O MELLANOX 12/31/2007 Chief Executive Officer TECHNOLOGIES, LTD., HERMON BLDG (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) \_X\_ Form filed by One Reporting Person Form filed by More than One Reporting **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. Securion(A) or D (Instr. 3,	ispose 4 and (A) or	d of (D)	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)
Ordinary Shares	12/31/2007		S(1)		` ′	\$ 17.74	3,105,371	I	by Partnership (2)
Ordinary Shares	12/31/2007		S(1)	300	D	\$ 17.76	3,105,071	I	by Partnership (2)
Ordinary Shares	12/31/2007		S(1)	300	D	\$ 17.77	3,104,771	I	by Partnership (2)

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Ordinary Shares	12/31/2007	S <u>(1)</u>	500	D	\$ 17.78	3,104,271	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	624	D	\$ 17.79	3,103,647	I	by Partnership
Ordinary Shares	12/31/2007	S(1)	365	D	\$ 17.8	3,103,282	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	2,092	D	\$ 17.81	3,101,190	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	1,634	D	\$ 17.82	3,099,556	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	1,601	D	\$ 17.83	3,097,955	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	184	D	\$ 17.84	3,097,771	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	2,800	D	\$ 17.85	3,094,971	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	1,300	D	\$ 17.86	3,093,671	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	489	D	\$ 17.87	3,093,182	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	914	D	\$ 17.88	3,092,268	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	2,400	D	\$ 17.89	3,089,868	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	1,700	D	\$ 17.9	3,088,168	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	1,100	D	\$ 17.91	3,087,068	I	by Partnership (2)
Ordinary Shares	12/31/2007	S(1)	100	D	\$ 17.95	3,086,968	I	by Partnership

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								(2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	1,200	D	\$ 17.96	3,085,768	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	600	D	\$ 17.97	3,085,168	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	86	D	\$ 17.99	3,085,082	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	500	D	\$ 18.01	3,084,582	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	2,100	D	\$ 18.02	3,082,482	I	by Partnership
Ordinary Shares	12/31/2007	S <u>(1)</u>	4,000	D	\$ 18.03	3,078,482	I	by Partnership
Ordinary Shares	12/31/2007	S <u>(1)</u>	1,511	D	\$ 18.06	3,076,971	I	by Partnership
Ordinary Shares	12/31/2007	S <u>(1)</u>	300	D	\$ 18.08	3,076,671	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	500	D	\$ 18.09	3,076,171	I	by Partnership (2)
Ordinary Shares	12/31/2007	S <u>(1)</u>	400	D	\$ 18.15	3,075,771	I	by Partnership (2)

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

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

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transactio	5. Number of on Derivative	6. Date Exercisable and Expiration Date	7. Title and Amour Underlying Securit
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired (A)		
	Derivative				or Disposed of		

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	Security			(D) (Instr. 3, 4 and 5)	ļ,			
			Code V	7 (A)	(D) Date Exercisable	Expiration Date	Title	Amor or Numl of Sh
Incentive Stock Option (right to buy)	\$ 18.22	12/31/2007	A	16,464	(3)	12/30/2017	Ordinary Shares	16,4
Non-Qualified Stock Option (right to buy)	\$ 18.22	12/31/2007	A	33,114	(3)	12/30/2017	Ordinary Shares	33,1

## **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Waldman Eyal C/O MELLANOX TECHNOLOGIES, LTD. HERMON BLDG YOKNEAM, L3 20692	X	X	Chief Executive Officer				

## **Signatures**

/s/ Eyal Waldman by Michael Gray, Power of Attorney 01/03/2008

\*\*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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 7, 2007.
- (2) Shares held by Waldo 2 Holdings, a general partnership formed pursuant to the laws of Israel of which Mr. Waldman is a general partner. Mr. Waldman has sole voting and dispositive power over all of the shares.
- (3) 1/4th of the shares subject to the option vest on 12/31/2008. The remainder vest at a rate of 1/48th per month thereafter, such that 100% of the shares subject to the option will be fully vested in 4 years.

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.

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