Mellanox Technologies, Ltd. Form 4/A October 03, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number: 3235-0287

OMB APPROVAL

Expires: January 31, 2005 Estimated average

burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

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

2. Issuer Name and Ticker or Trading

Mellanox Technologies, Ltd.

Symbol

1(b).

Sheffler David

(Print or Type Responses)

1. Name and Address of Reporting Person *

			[MLNX]					(Check all applicable)		
(Last)	(Mon			Day/Year)	Transaction		- - !	Director 10% Owner X Officer (give title Other (specify below)		
2900 STEN	DER WAY		08/10/2	2007				VP W	orldWide Sales	
			onth/Day/Yea	Oate Original ar)		1	6. Individual or Joint/Group Filing(Check Applicable Line) _X_Form filed by One Reporting Person			
SANTA CI	2007			_	Form filed by More than One Reporting Person					
(City)	(State)	(Zip)	Tab	le I - Non-	Derivative S	Securit	ies Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)		Date, if	3. Transactic Code (Instr. 8)	omr Dispose (Instr. 3, 4	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	08/10/2007			M	17,142	A		17,142 (1)	D	
Ordinary Shares	08/10/2007			M	11,785	A	\$ 3.85	28,927 (1)	D	
Ordinary Shares	08/10/2007			M	5,000	A	\$ 6.65	33,927 (1)	D	
Ordinary Shares	08/10/2007			M	37,502	A	\$ 1.3	71,429 (1)	D	
Ordinary Shares	08/10/2007			M	28,571	A	\$ 1.47	100,000 (1)	D	

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Ordinary Shares	08/10/2007	S	100,000	D	\$ 16.57	0 (1)	D	
Ordinary Shares	08/13/2007	M	2,498	A	\$ 1.3	2,498 (1)	D	
Ordinary Shares	08/13/2007	S	2,498	D	\$ 16.47	0 (1)	D	
Ordinary Shares						259,428 <u>(1)</u>	I (1)	By Trust

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)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transac Code (Instr. 8	08) II S A (A II 00	Number		ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
				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			

Sheffler David 2900 STENDER WAY

VP WorldWide Sales

SANTA CLARA, CA 95054

Signatures

/s/ David R. Sheffler by Michael Gray with power of attorney 10/03/2007

**Signature of Reporting Person Date

Reporting Owners 2

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).
 - Ownership of 259,428 of the shares beneficially owned by the reporting person (the "Shares") was erroneously reported as "Direct (D)" on August 14, 2007 Form 4 filing. The reporting person gifted the Shares to the "Sheffler Family Trust UAD 5/14/07 David R. Sheffler &
- Tina E. Sheffler TTEES" on or about July 26, 2007. Therefore, the reporting person's ownership of the Shares should have been reported as "Indirect (I)" on Form 4 filings made with the Securities and Exchange Commission (the "SEC") on August 14, 2007 and September 7, 2007. The reporting person subsequently reported the gift of the Shares on a Form 4 filed with the SEC on October 3, 2007. Except as otherwise noted in this Form 4/A, all other information disclosed in the reporting person's original Form 4 was accurately reported.
- (2) Shares held by the Sheffler Family Trust UAD 5/14/07 David R. Sheffler & Tina E. Sheffler TTEES.

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.