

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

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 *
 Sheffler David

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)
 2900 STENDER WAY
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 08/10/2007

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 VP WorldWide Sales

SANTA CLARA, CA 95054
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)
 08/14/2007

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

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)
			Code	V	Amount	(A) or (D)	Price
Ordinary Shares	08/10/2007		M		17,142	A	\$ 2.63
Ordinary Shares	08/10/2007		M		11,785	A	\$ 3.85
Ordinary Shares	08/10/2007		M		5,000	A	\$ 6.65
Ordinary Shares	08/10/2007		M		37,502	A	\$ 1.3
Ordinary Shares	08/10/2007		M		28,571	A	\$ 1.47

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.