

Mellanox Technologies, Ltd.  
Form 8-K  
January 27, 2010

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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of Earliest Event Reported):

January 27, 2010

Mellanox Technologies, Ltd.

(Exact name of registrant as specified in its charter)

Israel

001-33299

980233400

(State or other jurisdiction  
of incorporation)

(Commission  
File Number)

(I.R.S. Employer  
Identification No.)

Hermon Building, Yokneam,

20692

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code:

972-4-909-7200

Not Applicable

Former name or former address, if changed since last report

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

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**Item 2.02 Results of Operations and Financial Condition.**

The information in this current report, including Exhibit 99.1 attached hereto, is furnished pursuant to Item 2.02 of this Form 8-K. Consequently, it is not deemed "filed" for the purposes of Section 18 of the Securities and Exchange Act of 1934 (the "Exchange Act"), or otherwise subject to the liabilities of that section. It may only be incorporated by reference in another filing under the Exchange Act or the Securities Act of 1933 if such subsequent filing specifically references this Form 8-K.

On January 27, 2010, Mellanox Technologies, Ltd. publicly disseminated a press release announcing financial results for the fourth quarter ended December 31, 2009. The foregoing description is qualified in its entirety by reference to the press release dated January 27, 2010, a copy of which is attached hereto as Exhibit 99.1 and incorporated herein by reference.

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits.

The following exhibit is filed with this Form 8-K:

99.1 Press Release dated January 27, 2010.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Mellanox Technologies, Ltd.

*January 27, 2010*

By: */s/ Michael Gray*

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*Name: Michael Gray*  
*Title: Chief Financial Officer*

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Exhibit Index

| <b><u>Exhibit No.</u></b> | <b><u>Description</u></b>            |
|---------------------------|--------------------------------------|
| 99.1                      | Press Release dated January 27, 2010 |