Mellanox Technologies, Ltd. Form 8-K October 05, 2009

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):

October 5, 2009

Mellanox Technologies, Ltd.

(Exact name of registrant as specified in its charter)

001-33299

(Commission

File Number)

Israel

(State or other jurisdiction of incorporation)

Hermon Building, Yokneam,

(Address of principal executive offices)

Registrant s telephone number, including area code:

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))

980233400

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

20692

(Zip Code)

972-4-909-7200

<u>Top of the Form</u> Item 7.01 Regulation FD Disclosure.

The information in this report shall be considered furnished and not filed for purposes of the Securities Exchange Act of 1934, as amended.

Attached and furnished hereto as Exhibit 99.1 is a press release of Mellanox Technologies, Ltd. regarding its financial performance expectations for the quarter ending September 30, 2009.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

The following exhibit is furnished with this Form 8-K: 99.1 Press Release dated October 5, 2009.

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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.

October 2, 2009

By: /s/ Michael Gray

Name: Michael Gray Title: Chief Financial Officer

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Exhibit Index

Exhibit No.	Description

99.1

Press Release dated October 5, 2009