UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of February 2009

Commission file number: 0-20892

ATTUNITY LTD.

(Name of registrant)

Kfar Netter Industrial Park, Kfar Netter, Israel 40593 (Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F x Form 40-F o

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): O

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): O

Indicate by check mark whether by furnishing the information contained in this form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes O No X

If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-___

The GAAP financial statements included in the press release attached hereto as Exhibit 99.1 are hereby incorporated by reference into: Form F-3 Registration Statements File Nos. 333-138044, 333-119157, 333-122937 and 333-142286 and Form S-8 Registration Statements File Nos. 033-84180, 333-932, 333-11648, 333-122271, 333-122302 and 333-142284.

6-K Items

99.1. Press Release, dated February 11, 2009: Attunity Reports Q4 and Full Year 2008 Results.

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* It should be noted that the financial results for the period and the year ended December 31, 2008 included in the press release are not audited.

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, thereunto duly authorized.

ATTUNITY LTD.

By: /s/ Dror Elkayam

Dror Elkayam, VP Finance and Secretary

Date: February 23, 2009