

SOMANETICS CORP  
Form 8-K  
January 21, 2010

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

FORM 8-K

OMB APPROVAL  
OMB Number: 3235-0060  
Expires: August 31, 2012  
Estimated average burden  
hours per response.....5.0

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 21, 2010

SOMANETICS CORPORATION

(Exact name of registrant as specified in its charter)

Michigan  
(State or other jurisdiction  
of incorporation)

0-19095  
(Commission  
File Number)

38-2394784  
(IRS Employer  
Identification No.)

2600 Troy Center Drive, Troy, Michigan  
(Address of principal executive offices)

48084-4771  
(Zip Code)

1653 East Maple Road, Troy, Michigan  
(Former name or former address, if changed since last report)

48083-4208

Registrant's telephone number, including area code (248) 244-1400

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 communication pursuant to Rule 425 under the Securities Act.
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act.
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act.
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act.

Item 2.02. Results of Operations and Financial Condition

On January 21, 2010, Somanetics Corporation announced its financial results for the fourth quarter and year ended November 30, 2009 and certain other information. A copy of the press release is furnished with this report following the signature page and is incorporated in this Item 2.02 by reference. The information in this report and the attached press release shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, except as shall be expressly stated by specific reference in such filing.

Item 9.01. Financial Statements and Exhibits

| Exhibits | Description                         |
|----------|-------------------------------------|
| 99.1     | News release dated January 21, 2010 |

---

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.

Dated: January 21, 2010

SOMANETICS CORPORATION  
(Registrant)

By: /s/ Mary Ann Victor  
Mary Ann Victor

Its: Vice President, Chief Administrative  
Officer, General Counsel and Secretary

---

EXHIBIT INDEX

| Exhibits | Description                         |
|----------|-------------------------------------|
| 99.1     | News release dated January 21, 2010 |

---