

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

Form 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR (g) OF THE  
SECURITIES EXCHANGE ACT OF 1934

**HARRIS STRATEX NETWORKS, INC.**

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction  
of incorporation)

001-33278

(Commission File  
Number)

20-5961564

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

Address of principal executive offices:

637 Davis Drive, Morrisville, NC 27560

Registrant's telephone number, including area code:

(919) 767-3250

Securities to be registered pursuant to Section 12(b) of the Act: None.

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.  
(c), please check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to a General Instruction  
A.(d), please check the following box.

Securities Act registration statement file number to which this form relates: N/A.

Securities to be registered pursuant to Section 12(g) of the Act:

Rights to Purchase Series A Junior Participating Preferred Stock, par value \$0.01 per share  
(Title of Class)

**Item 1. Description of Registrant’s Securities to be Registered.**

A description of the rights to purchase Series A Junior Participating Preferred Stock, par value \$0.01 per share, being registered hereunder is contained in Item 1.01 of the Registrant’s Current Report on Form 8-K (File No. 001-33278), as filed with the Securities and Exchange Commission on April 22, 2009, and is incorporated herein by reference.

**Item 2. Exhibits.**

<u>Exhibit No.</u>	<u>Description</u>
4.1	Certificate of Designations of Series A Junior Participating Preferred Stock of Harris Stratex Networks, Inc., dated April 20, 2009, incorporated by reference to Exhibit 4.1 to the Company’s Current Report on Form 8-K (File No. 001-33278), as filed with the Securities and Exchange Commission on April 22, 2009.
4.2	Rights Agreement, dated as of April 20, 2009, between Harris Stratex Networks, Inc. and Mellon Investor Services LLC, as Rights Agent, which includes the Form of Certificate of Designations of Series A Junior Participating Preferred Stock (Exhibit A), the Form of Right Certificate (Exhibit B) and the Summary of Rights to Purchase Preferred Shares (Exhibit C), incorporated herein by reference to Exhibit 4.2 to the Company’s Current Report on Form 8-K (File No. 001-33278), as filed with the Securities and Exchange Commission on April 22, 2009.

SIGNATURE

Pursuant to the requirements of Section 12 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.

HARRIS STRATEX NETWORKS, INC.

By: /s/ J. Russell Mincey

Name: J. Russell Mincey

Title: Interim Principal Financial Officer, Interim  
Principal Accounting Officer, Global Corporate  
Controller

Date: April 22, 2009