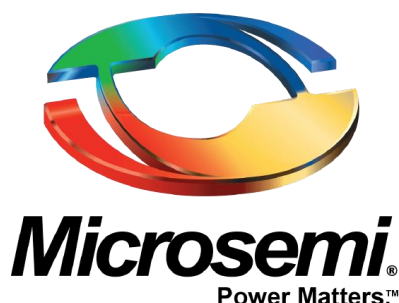


Accessing Microsemi's Ethernet Switch, PHY, Software, IP, and Signal Integrity Product Resources

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1 Introduction

Do you need access to technical documents or other resources for Microsemi's Ethernet switch, PHY, software, IP, signal conditioner, and crosspoint switch products (those previously provided by Vitesse Semiconductor)? As a result of the transition of this content from vitesse.com to microsemi.com, you may now access this information at:

- Ethernet switches, PHYs, software, and IP:
<http://www.microsemi.com/products/ethernet-solutions/ethernet-solutions>
- Signal conditioners:
<http://www.microsemi.com/products/switches/signal-conditioners>
- Crosspoint switches:
<http://www.microsemi.com/products/switches/digital-cross-point-switches>

(Before you access the new locations, it is recommended that you clear your browser cache.)

NDA-protected documents may be accessed after logging in with your previous vitesse.com credentials. If you have not previously registered for an account, you will need to do so by following the instructions outlined below. Please note:

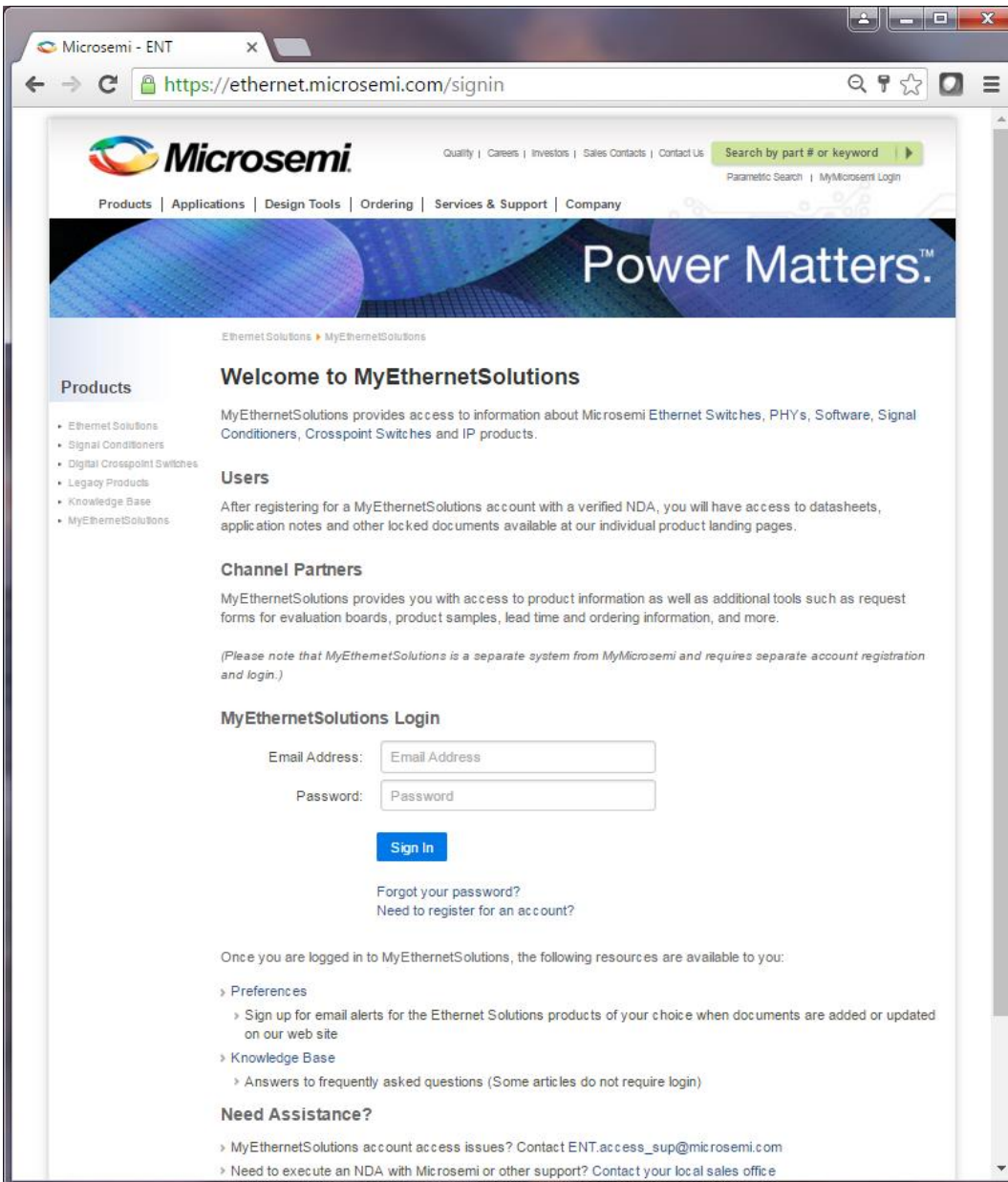
- Product briefs provide a high-level feature overview for each product and are available for download without the need for an account. To view these product briefs, simply visit the applicable product pages.
- NDA-protected documents, including most datasheets and application notes, are only to be viewed by customers with a valid NDA (available through your [local sales contact](#)), or by Microsemi representatives and distributors with approved agreements in place. Contact ENT.access_sup@microsemi.com if you have questions or difficulties with access permissions once an NDA is in place and your sales representative has arranged for your account to be upgraded to NDA-level access.
- As download activity is tracked, Microsemi may follow up with you to understand your interest in a particular product.

2 MyEthernetSolutions

MyEthernetSolutions (<https://ethernet.microsemi.com/signin>) is a central login gateway for Ethernet Solutions product content that provides access to locked documents for approved users, and also provides access to sales tools for Microsemi channel partners. Your previous Vitesse login credentials may be used here, or you may register for an account if you do not have one.

A link to MyEthernetSolutions is provided in the left navigation area for each of the product categories listed in the Introduction of this document.

Note: MyEthernetSolutions should not be confused with MyMicrosemi. MyMicrosemi is a different service offered by Microsemi with a separately managed login and password, and will not provide access to the product categories described in this document.



The screenshot shows a web browser window with the address bar displaying <https://ethernet.microsemi.com/signin>. The page features the Microsemi logo at the top left, with navigation links for Quality, Careers, Investors, Sales Contacts, and Contact Us. A search bar is located at the top right. Below the header, a navigation menu includes Products, Applications, Design Tools, Ordering, Services & Support, and Company. The main content area is titled "Welcome to MyEthernetSolutions" and provides information about the service, including access to datasheets, application notes, and other locked documents. It also includes a "MyEthernetSolutions Login" section with fields for Email Address and Password, a "Sign In" button, and links for "Forgot your password?" and "Need to register for an account?". At the bottom, there is a "Need Assistance?" section with contact information for account access issues and support.

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Power Matters.™

Ethernet Solutions > MyEthernetSolutions

Products

- Ethernet Solutions
- Signal Conditioners
- Digital Crosspoint Switches
- Legacy Products
- Knowledge Base
- MyEthernetSolutions

Welcome to MyEthernetSolutions

MyEthernetSolutions provides access to information about Microsemi Ethernet Switches, PHYs, Software, Signal Conditioners, Crosspoint Switches and IP products.

Users

After registering for a MyEthernetSolutions account with a verified NDA, you will have access to datasheets, application notes and other locked documents available at our individual product landing pages.

Channel Partners

MyEthernetSolutions provides you with access to product information as well as additional tools such as request forms for evaluation boards, product samples, lead time and ordering information, and more.

(Please note that MyEthernetSolutions is a separate system from MyMicrosemi and requires separate account registration and login.)

MyEthernetSolutions Login

Email Address:

Password:

Sign In

[Forgot your password?](#)
[Need to register for an account?](#)

Once you are logged in to MyEthernetSolutions, the following resources are available to you:

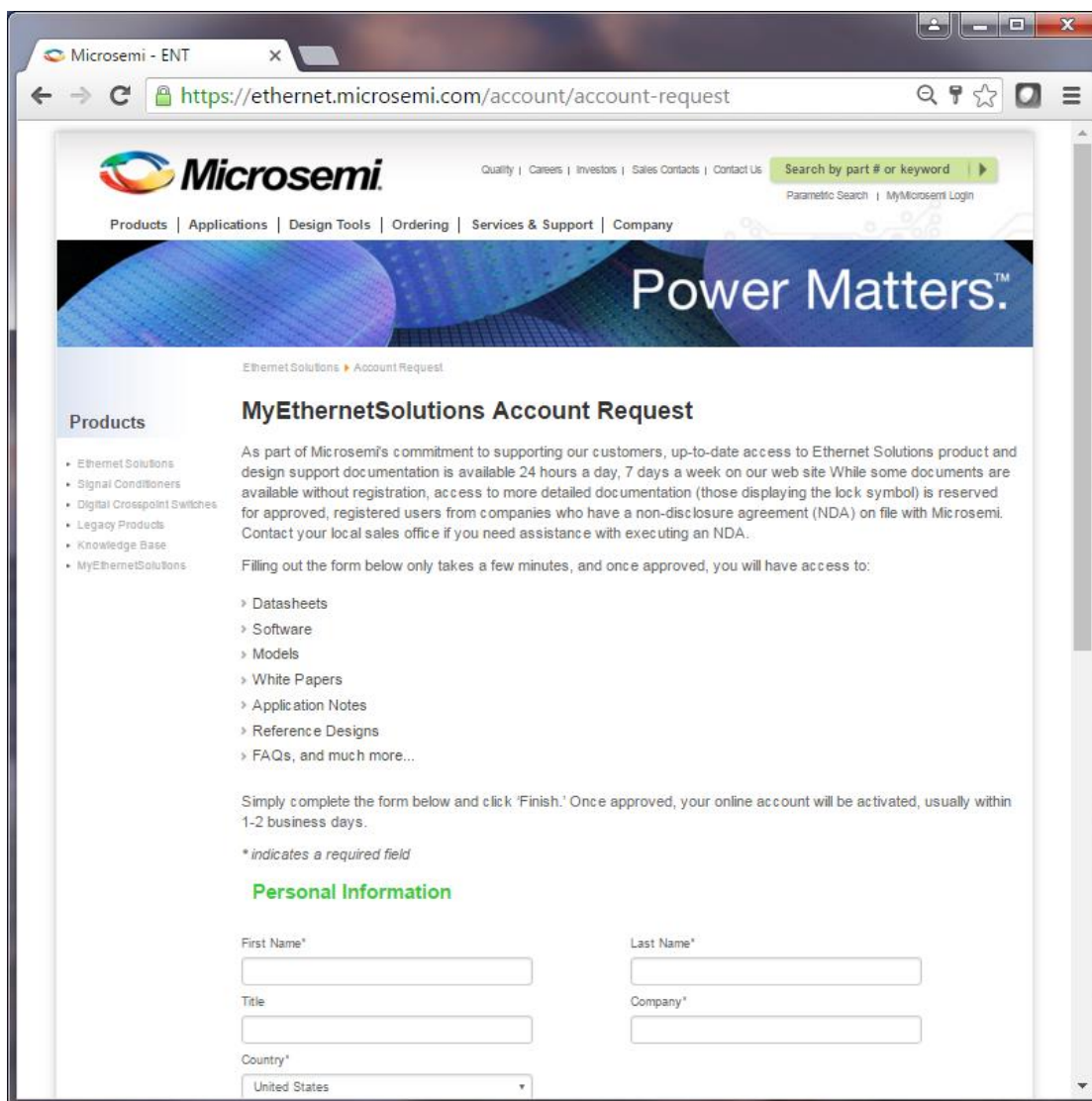
- > Preferences
 - > Sign up for email alerts for the Ethernet Solutions products of your choice when documents are added or updated on our web site
- > Knowledge Base
 - > Answers to frequently asked questions (Some articles do not require login)

Need Assistance?

- > MyEthernetSolutions account access issues? Contact ENT.access_sup@microsemi.com
- > Need to execute an NDA with Microsemi or other support? Contact your local sales office

2.1 MyEthernetSolutions Account Request and Login Instructions

1. If you have already registered for an account previously (either at MyEthernetSolutions or at vitesse.com) and have your login credentials, [jump](#) to step 7. Otherwise:
 - a. If you have already registered but have forgotten your password, click the “Forgot your password?” link or visit <https://ethernet.microsemi.com/account/forgot-password>
 - b. If you need to register for an account, click the “Need to register for an account?” link or visit <https://ethernet.microsemi.com/account/account-request> (see below).



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<https://ethernet.microsemi.com/account/account-request>

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Ethernet Solutions » Account Request

Products

- Ethernet Solutions
- Signal Conditioners
- Digital Crosspoint Switches
- Legacy Products
- Knowledge Base
- MyEthernetSolutions

MyEthernetSolutions Account Request

As part of Microsemi's commitment to supporting our customers, up-to-date access to Ethernet Solutions product and design support documentation is available 24 hours a day, 7 days a week on our web site. While some documents are available without registration, access to more detailed documentation (those displaying the lock symbol) is reserved for approved, registered users from companies who have a non-disclosure agreement (NDA) on file with Microsemi. Contact your local sales office if you need assistance with executing an NDA.

Filling out the form below only takes a few minutes, and once approved, you will have access to:

- » Datasheets
- » Software
- » Models
- » White Papers
- » Application Notes
- » Reference Designs
- » FAQs, and much more...

Simply complete the form below and click 'Finish.' Once approved, your online account will be activated, usually within 1-2 business days.

* indicates a required field

Personal Information

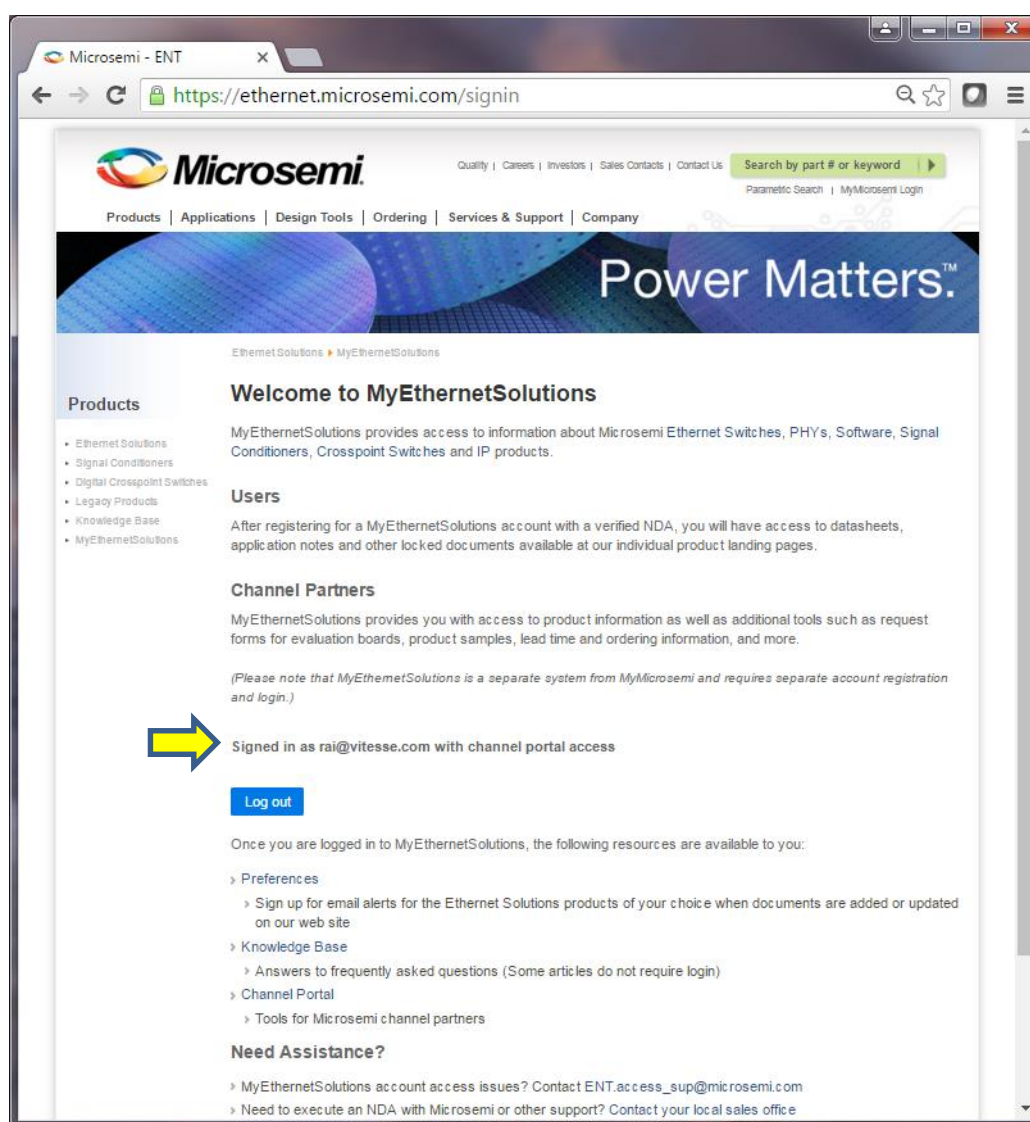
First Name* Last Name*

Title Company*

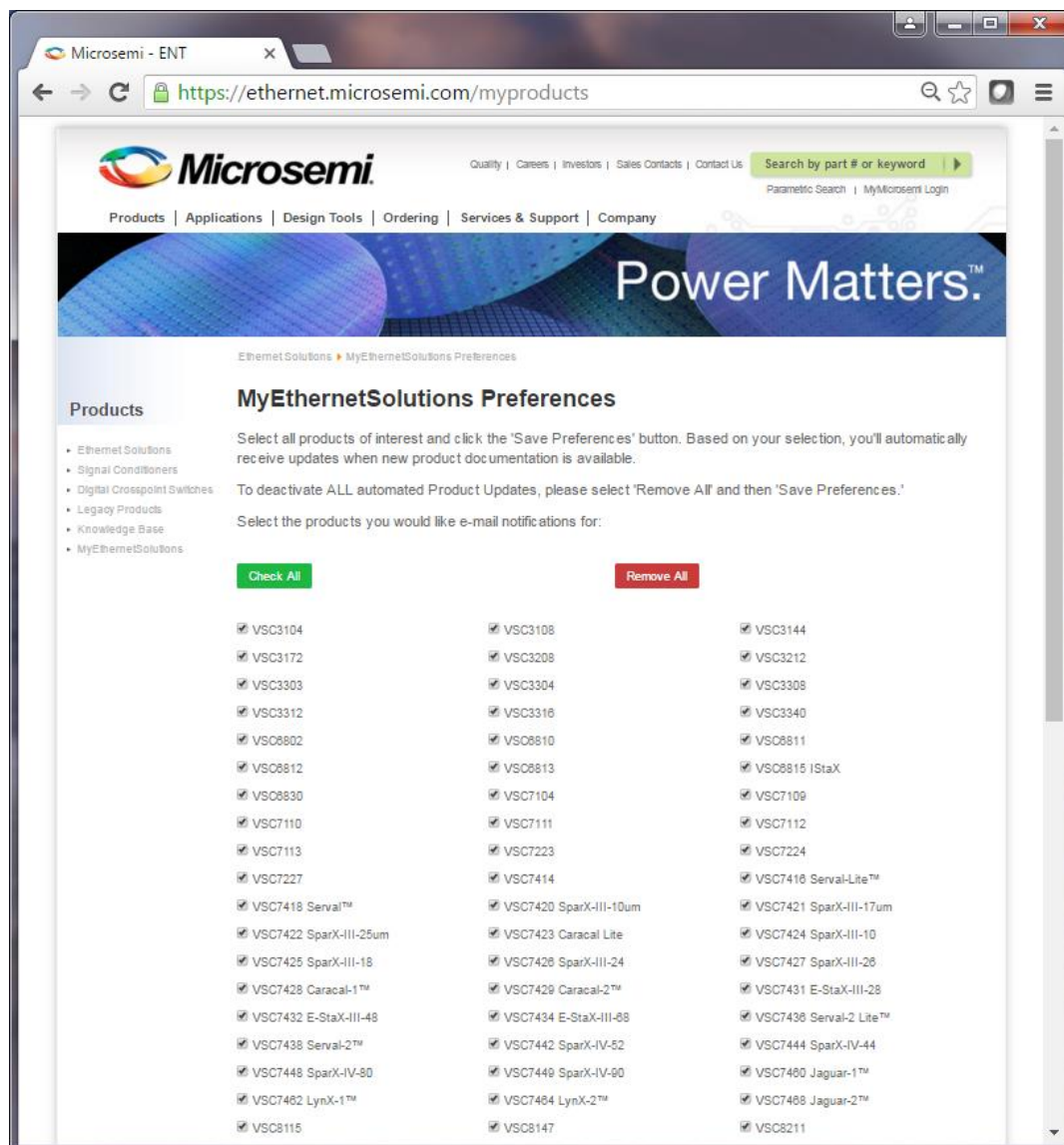
Country*

2. Scroll down the page and enter your profile details. Your email address should have a valid domain (either microsemi.com for Microsemi employees, or, a domain from an approved Microsemi distributor, representative, or NDA-level customer). Generic domains (e.g. gmail.com) are not accepted.
3. Click “Finish”. Upon successful submission you will see the message “Thank you. Please check your email to complete the registration process.”

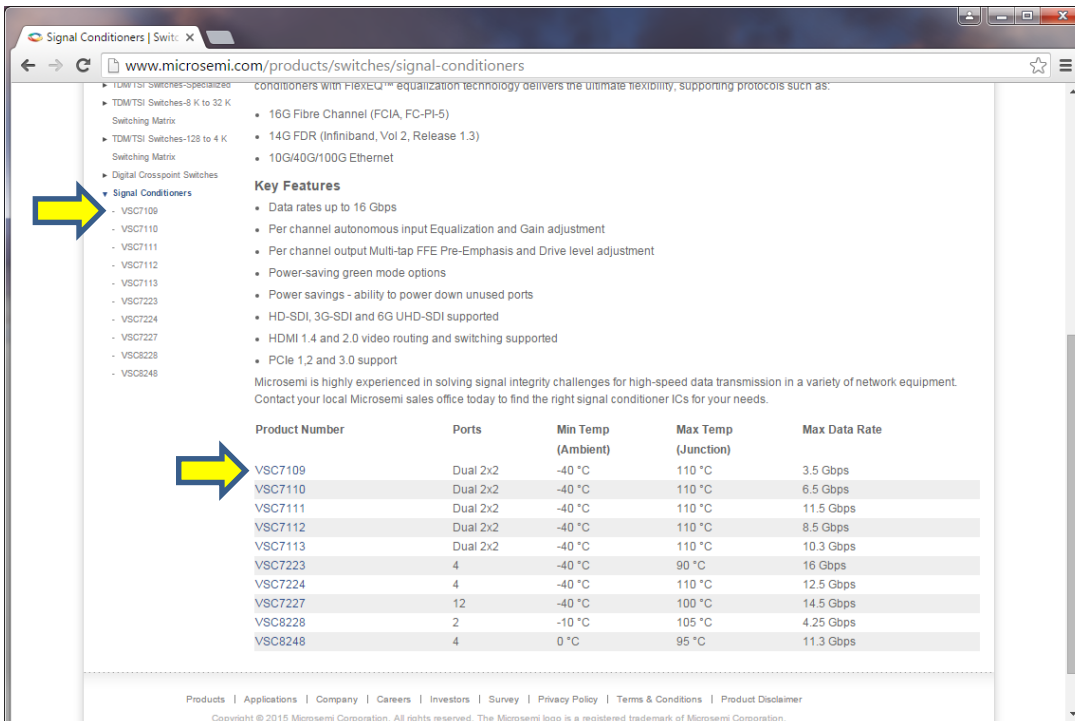
4. Check your email inbox for a message from ENT.access_sup@microsemi.com, and click on the link provided in the message to complete your registration.
5. You will see a confirmation message in your browser stating that your account is now active.
6. Once your account is active, contact your [local sales representative](#) to verify your NDA-level user access and arrange to grant your account permission to access locked content. Please note that this process may take 24–48 hours. (Sales representatives should provide the following information to ENT.access_sup@microsemi.com to grant customer NDA-level access: A copy of the fully executed NDA and NDA request form, customer's legal email domain, and a list of all Ethernet Solutions products for which access is required.)
7. Visit MyEthernetSolutions (<https://ethernet.microsemi.com/signin>) and enter your login credentials. Once logged in successfully, you will see your sign-in status confirmed (as shown below), and you may visit individual product landing pages in any one of the product categories outlined in the Introduction of this document to access locked content. Channel partners will also find a link on the MyEthernetSolutions page directing them to a list of sales tools on the Channel Portal. You may return to this page at any time to log out.



8. Once signed in to MyEthernetSolutions, you may opt in to receive alerts for the active Ethernet Solutions products of your choice. The alerts are sent to you through email when documents associated with these products are added or updated on our web site. Click the link shown above, titled "Preferences," to make your selections. Check the box next to each product of your choice (as shown below), and click the "Save Preferences" button at the bottom of the page.



9. As an example of accessing locked content, let's go through the process of downloading the VSC7109 datasheet in the Signal Conditioner product area at this link:
<http://www.microsemi.com/products/switches/signal-conditioners>
 - a. After signing into MyEthernetSolutions, click on "VSC7109" in the product table or in the left-side navigation menu as shown below:



Signal Conditioners | Switches

www.microsemi.com/products/switches/signal-conditioners

conditioners with FLEXEQ™ equalization technology delivers the ultimate flexibility, supporting protocols such as:

- 16G Fibre Channel (FCIA, FC-PH5)
- 14G FDR (Infiniband, Vol 2, Release 1.3)
- 10G/40G/100G Ethernet

Key Features

- Data rates up to 16 Gbps
- Per channel autonomous input Equalization and Gain adjustment
- Per channel output Multi-tap FFE Pre-Emphasis and Drive level adjustment
- Power-saving green mode options
- Power savings - ability to power down unused ports
- HD-SDI, 3G-SDI and 6G UHD-SDI supported
- HDMI 1.4 and 2.0 video routing and switching supported
- PCIe 1.2 and 3.0 support

Microsemi is highly experienced in solving signal integrity challenges for high-speed data transmission in a variety of network equipment. Contact your local Microsemi sales office today to find the right signal conditioner ICs for your needs.

Product Number	Ports	Min Temp (Ambient)	Max Temp (Junction)	Max Data Rate
VSC7109	Dual 2x2	-40 °C	110 °C	3.5 Gbps
VSC7110	Dual 2x2	-40 °C	110 °C	6.5 Gbps
VSC7111	Dual 2x2	-40 °C	110 °C	11.5 Gbps
VSC7112	Dual 2x2	-40 °C	110 °C	8.5 Gbps
VSC7113	Dual 2x2	-40 °C	110 °C	10.3 Gbps
VSC7223	4	-40 °C	90 °C	16 Gbps
VSC7224	4	-40 °C	110 °C	12.5 Gbps
VSC7227	12	-40 °C	100 °C	14.5 Gbps
VSC8228	2	-10 °C	105 °C	4.25 Gbps
VSC8248	4	0 °C	95 °C	11.3 Gbps

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- b. This will bring you to the product's landing page. Once there, scroll to the bottom of the page to reveal a list of documents for download in a table titled "Additional Resources".




Additional Resources

Category	Title	Access	Version	Posted	Type	Size
Product	VSC7109 Product Brief		1.2	11/18/2015		290 kB
Datasheet	VSC7109 Datasheet		4.0	11/18/2015		643 kB
Reports	First Level Product Qualification Report for VSC7109XJW - Amkor P1		1.0	09/28/2015		67 kB
Reports	VSC7109XJW, VSC7110XJW, VSC7111XJW and VSC7112XJW Material Composition Declaration		4.0	12/07/2015		22 kB

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- c. The VSC7109 datasheet link reveals an unlocked lock icon () in the Access column. This is your indication that you are signed in with permission to download the document. (If you attempt to download a document before signing in to MyEthernetSolutions and while its icon is still shown in the locked position, you will first be directed to the MyEthernetSolutions login page to enter your account credentials before being returned back to the product landing page to continue with your download).
- d. Once signed in to MyEthernetSolutions, you may also navigate to other product pages for which you have access and download product information for those products.

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Need to execute an NDA with Microsemi, upgrade your MyEthernetSolutions account to NDA-level access or receive other support? Contact your [local sales office](#)