



Product Bulletin

Brocade VA-40FC 8Gbit FC Switch

Revision History

December 14, 2010 - Initial version

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This product bulletin informs NetApp sales and NetApp partners about new or changed NetApp® products or services.

1. Summary
2. What's New?
3. Sales Tools
4. Customer-Ready Tools
5. System Requirements
6. Product Information
7. Regulatory Compliance
8. Warranty and Service
9. Additional Information

1. Summary

This document describes the requirement to productize and resell the Brocade VA-40FC Fibre Channel switch.

The Brocade VA-40FC switch is a 1U platform with 40 x 8G Fibre Channel ports that is designed for rapidly growing virtualized environments. All 40 ports are enabled by default, including 40 x 8G SW SFP+ optics that can function at 8/4/2Gbps speeds. The VA-40FC is optimized for server connectivity in large SAN networks. The Brocade VA-40FC is identical to the Brocade 5100 switch with the exception of a smaller footprint and having all 40 ports activated by default.

2. What's New?

The Brocade VA-40FC switch is being added to the portfolio of Brocade 8G Fibre Channel switches. The addition of the Brocade VA-40FC will not result in EOA plans for any other switches in the Brocade product family. The Brocade Access Gateway functionality is enabled by default on the VA-40FC, meaning that the Brocade VA-40FC can be connected to any NPIV-enabled fabric, including Brocade, Cisco, and QLogic fabrics.

Brocade's Access Gateway services include:

- Adaptive Networking (Ingress Rate Limiting, QoS)
- Access Gateway Cascading
- Automatic Port Configuration
- Automatic Port Rebalancing
- F_Port Trunking
- Failover and Failback Policies
- NPIV

The VA-40FC shares many of the characteristics of the (previously released) Brocade 5100 switch, with two enhancements for high-density server rack deployments:

- A reversible airflow option for advanced cooling capabilities

- A smaller footprint (17.6-inch depth instead of 24-inch depth on Brocade 5100)

When the Access Gateway services are disabled, the Brocade VA-40FC also supports the following fabric switch services (license required):

- Enterprise software. Includes Advanced Performance Monitoring, Adaptive Networking, ISL Trunking, Extended Fabrics
- Integrated routing

There are two versions of the VA-40FC to leverage advanced cooling technologies within high-density server racks. Only the version with nonport air intake will be productized by NetApp.

The Brocade VA-40FC switch requires FOS 6.4.0 (or later) firmware.

3. Sales Tools (Sales Guides, Training Presentations, SE Presentations)

· [NetApp SalesEdge FC Switches and Directors](#)

· [NetApp PartnerCenter FC SAN](#)

4. Customer-Ready Tools (Customer Presentations, Datasheets)

· [NetApp SalesEdge FC Switches and Directors](#)

· [NetApp PartnerCenter FC SAN](#)

5. System Requirements

Supported Platforms

The latest Brocade support statements can be found at the NetApp Fibre Channel Switch Support Matrix:

[Support Matrix](#)

6. Product Information

Brocade VA-40FC Information



Brocade VA-40FC Options

The following table presents the current hardware purchasing options for the Brocade VA-40FC switch. Since the Brocade VA-40FC comes with all 40 ports enabled, including 8G SW SFPs, there was only a need for one new part number. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
X-VA40FC-1008-R5	Switch,Brocade VA-40FC 40-Port w/8Gb SWL SFPs	C

Brocade VA-40FC Software Options

The following table presents the software purchasing options for the Brocade VA-40FC switch. The Brocade VA-40FC comes with the Access Gateway feature enabled by default, but can also utilize the same software licenses as the Brocade 5100 switch.

Part Number	Description	Discount Category Code
SW-BSW-MIDREB-01	Brocade 5100/VA-40FC SW Enterprise Package	C
SW-BSW-MIDRIR-01	Brocade 5100/VA-40FC SW Integrated Routing	C
SW-BSW-MIDRCUP-01	Brocade 5100/VA-40FC SW FICON	C

- NetApp does not carry a separate ISL Trunking license for the Brocade VA-40FC switch.
- The Brocade 5100/VA-40FC SW Enterprise license includes the following licenses:
 - **ISL Trunking**
 - **Advanced Performance Monitoring**
 - **Extended Fabrics**
 - **Adaptive Networking**
- The Brocade 5100/VA-40FC **Integrated Routing** license should be purchased as a separate license.

- Brocade 5100/VA-40FC **FICON** should be purchased as a separate license.
- Every Brocade VA-40FC switch comes with these licenses (links below take you to the Brocade Web site):
 - **Web Tools**
 - **Advanced Zoning**
 - **Fabric Watch**
 - **DCFM Professional**
 - **Full Fabric**
- There is a maximum of 40 ports available on the Brocade VA-40FC switch.

The **Integrated Routing** license enables native Fibre Channel routing on a per-port basis rather than limiting routing to special-purpose routing switches. It uses EX ports to import/export devices between fabrics, enabling selective device sharing while maintaining remote fabric isolation.

DCFM Professional is an agent required for Brocade network management client group management functions.

The **Full Fabric** license enables E-port functionality on the Brocade switches.

Service Options

Important!

NetApp offers **Brocade Direct Support** for the Brocade VA-40FC switch. This means the customer calls Brocade directly for support.

The following table lists the Brocade Direct Support offerings for the Brocade VA-40FC switches and their software options.

Part Number	Description	Discount Category Code
SVCVN-BRCD-VA40FC-4P-1	Service, Brocade VA-40FC 1Yr 4HR Parts	C
SVCVN-BRCD-VA40FC-4P-2	Service, Brocade VA-40FC 2Yr 4HR Parts	C
SVCVN-BRCD-VA40FC-4P-3	Service, Brocade VA-40FC 3Yr 4HR Parts	C
SVCVN-BRCD-VA40FC-4P-4	Service, Brocade VA-40FC 4Yr 4HR Parts	C
SVCVN-BRCD-VA40FC-4P-5	Service, Brocade VA-40FC 5Yr 4HR Parts	C
SVCVN-BRCD-VA40FC-NDO-1	Service, Brocade VA-40FC 1Yr NBD Onsite	C
SVCVN-BRCD-VA40FC-NDO-2	Service, Brocade VA-40FC 2Yr NBD Onsite	C
SVCVN-BRCD-VA40FC-NDO-3	Service, Brocade VA-40FC 3Yr NBD Onsite	C
SVCVN-BRCD-VA40FC-NDO-4	Service, Brocade VA-40FC 4Yr NBD Onsite	C
SVCVN-BRCD-VA40FC-NDO-5	Service, Brocade VA-40FC 5Yr NBD Onsite	C
SVCVN-BRCD-VA40FC-4OS-1	Service, Brocade VA-40FC 1Yr 4HR Onsite	C
SVCVN-BRCD-VA40FC-4OS-2	Service, Brocade VA-40FC 2Yr 4HR Onsite	C
SVCVN-BRCD-VA40FC-4OS-3	Service, Brocade VA-40FC 3Yr 4HR Onsite	C
SVCVN-BRCD-VA40FC-4OS-4	Service, Brocade VA-40FC 4Yr 4HR Onsite	C
SVCVN-BRCD-VA40FC-4OS-5	Service, Brocade VA-40FC 5Yr 4HR Onsite	C

Software Subscription Plans

Software subscription plans for all of the software options in this bulletin (including the Brocade DCFM package) are supported fully through the BDS offerings.

Downloading

To download the latest FOS version, go to:

[Brocade Firmware Download Page](#)

Product Availability

Brocade VA-40FC 8Gb/sec FC switches are available to quote today.

7. Regulatory Compliance

Meets all defined NetApp EMI and ROHS compliance requirements.

8. Warranty and Service

The Brocade VA-40FC switches will be covered under the Brocade standard warranty and Brocade Direct Support contracts.

9. Additional Information

[See product page.](#)

Contact information: Please contact your NetApp sales or channel partner representative with questions concerning this bulletin.

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