



Product Bulletin

Brocade 300, 5100, and 5300 8Gbit FC Switches

Revision History

July 15, 2008 - Initial version

June 7, 2010 – Updates for removal of 4G configurations

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

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1. Summary

This product bulletin describes some portfolio changes to the Brocade 300, 5100, and 5300 8Gb/sec Fibre Channel switches.

There are three major types of 8Gb/sec FC switches included in this bulletin:

- 300 series switch supporting from 8 to 24 8Gb FC ports in 8-port increments
- 5100 series switch supporting from 24 to 40 8Gb FC ports in 8-port increments
- 5300 series switch supporting from 48 to 80 FC ports in 16-port increments

The switches will support the 8Gb/sec Fibre Channel speeds, in addition to being backward compatible with:

- 4Gb/sec and 2Gb/sec fabrics when using Brocade 8Gb/sec SFPs
- 4Gb/sec, 2Gb/sec, and 1Gb/sec fabrics when using Brocade 4Gb/sec SFPs

The new 8Gb switches are backward compatible with the existing Brocade and McData switches operating in the same fabric at all speeds as specified in the NetApp Fibre Channel Switch Support Matrix in section 5 of this bulletin.

2. What's New?

The 4Gbps configurations have been declared EOA by Brocade and the corresponding 8Gbps configurations will now be used for all quotes. The only exception is the X-310-0004-R5 (8 ports 4G SFPs without E-port support) that will continue to be supported and sold. Since the 8Gbps SFP modules can rate adapt to speeds of 2, 4, or 8 Gbps, there should be no customer impact. All 8Gbps configurations have been priced at the same price points as the previous 4Gbps configurations.

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 300 Information



Brocade 300 Hardware Options

The following table presents the current hardware purchasing options for the Brocade 300 switch. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
X-310-0004-R5-C	8-Pt Brocade 300 No Fab FC 4Gbps,-C,R5	C
X-320-0008-R5-C	8-Pt Brocade 300 Full Fab FC 8Gbps,-C,R5	C
X-360-0008-R5-C	24-Pt Brocade 300 Full Fab FC 8Gbps,-C,R5	C

X-SMEDPOD8-01-R6	Brocade 300 8-POD for 8Gbps,R6	C
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- The X-310-0004-R5-C version of Brocade 300 comes populated with eight 4G SFP modules but no E-port (Full Fabric) license.
- The X-320-0008-R5-C item includes eight ports configured with E-port support and 8G SFPs.
- The 24-port version of Brocade 300 comes populated with 24 8G SFP modules.
- POD licenses will enable expansion to an existing switch configuration in 8-port increments: for example, from an 8-port to a 16-port switch to a 24-port switch.
- There is a maximum of 24 ports available on Brocade 300 switch.
- Every POD license will include eight SFPs, 8Gbps speeds.
- Every Brocade 300 switch but X-310-0004-R5-C comes with these licenses (links below take you to the Brocade Web site):
 - [Web Tools](#)
 - [Advanced Zoning](#)
 - [Fabric Watch](#)
 - **Enhanced Group Management**
 - **Full Fabric**
- X-310-0004-R5-C comes with Web Tools, Advanced Zoning, Fabric Watch, and Enhanced Group Management but no Full Fabric license.
- Brocade 300 switches are qualified to be configured into NetApp cabinets.

Enhanced Group Management is an agent required for Brocade EFCM management client group management functions.

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

Brocade 300 Software Options

The following table presents the software purchasing options for Brocade 300 switch. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
SW-BSW2E-FF	Brocade 200E/300 Full Fabric (will enable Full Fabric on X-310-0004-R5-C)	C
SW-SMEDEB-01	Brocade 300 SW Enterprise Package	C
X-SMEDPOD8-01-R6	Brocade 300 8-POD for 8Gbps,R6 (includes eight 8Gb SFPs)	C

- NetApp does not carry a separate ISL Trunking license for Brocade 300 switch.
- Brocade 300 SW Enterprise license includes the following licenses: (links below take you to the Brocade Web site):
 - [ISL Trunking](#)
 - [Advanced Performance Monitoring](#)
 - [Extended Fabrics](#)
 - [Adaptive Networking](#)
- Every 300 switch but X-310-0004-R5-C comes with these licenses (links below take you to the Brocade Web site):
 - [Web Tools](#)
 - [Advanced Zoning](#)
 - [Fabric Watch](#)
 - **Enhanced Group Management**
 - **Full Fabric**
- X-310-0004-R5-C comes with Web Tools, Advanced Zoning, Fabric Watch, and Enhanced Group

- Management but no Full Fabric license.
- To enable Full Fabric on X-310-0004-R5-C, use SW-BSW2E-FF Full Fabric license, which will work on either Brocade 200 or 300 switches.
- POD licenses will enable expansion to an existing switch configuration in 8-port increments: for example, from an 8-port to a 16-port switch to 24-port switch.
- There is a maximum of 24 ports available on Brocade 300 switch.
- Every POD license will include eight SFPs; all 8Gbit/sec SFPs.

Enhanced Group Management is an agent required for Brocade DCFM management client group management functions.

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

Brocade 5100 Information



Brocade 5100 Hardware Options

The following table presents the hardware purchasing options for Brocade 5100 switch. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
X-5120-0008-R5-C	24-Pt Brocade 5100 FF FC 8Gbps,-C,R5	C
X-5140-0008-R5-C	40-Pt Brocade 5100 FF FC 8Gbps,-C,R5	C
X-5140-1008-R5-C	40-Pt Brocade 5100 FF FC 8Gbps w/ENT,-C,R5	C
X-MIDRPOD8-01-R6	Brocade 5100 8-POD for 8Gbps,R6 (includes eight 8Gb SFPs)	C

- The 24-port version of Brocade 5100 comes populated with 24 SFP modules, all 8Gbps speeds.
- The 40-port version of Brocade 5100 comes populated with 40 SFP modules, all 8Gbps speeds.
- POD licenses will enable expansion to an existing switch configuration in 8-port increments: for example, from a 24-port to a 32-port switch to a 40-port switch.
- There is a maximum of 40 ports available on Brocade 5100 switch.
- Every POD license will include eight SFPs; all 8Gb SFPs.
- Every 5100 series switch comes with these licenses (links below take you to the Brocade Web site):
 - [Web Tools](#)
 - [Advanced Zoning](#)
 - [Fabric Watch](#)
 - Enhanced Group Management**
 - Full Fabric**
- The 40-port version of Brocade 5100 can be purchased bundled with the Enterprise Package license at a lower price point than if the switch and the license were purchased separately:

- X-5140-1008-R5-C for the 8Gb SFPs version
- Brocade 5100 switches are qualified to be configured into NetApp cabinets.

Enhanced Group Management is an agent required for Brocade EFCM management client group management functions.

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

Brocade 5100 Software Options

The following table presents the software purchasing options for Brocade 5100 switch. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
SW-MIDREB-01	Brocade 5100 SW Enterprise Package	C
SW-MIDRIR-01	Brocade 5100 SW Integrated Routing	C
SW-MIDRCUP-01	Brocade 5100 SW FICON	C
X-MIDRPOD8-01-R6	Brocade 5100 8-POD for 8Gbps,R6 (includes eight 4Gb SFPs)	C

- NetApp does not carry a separate ISL Trunking license for Brocade 5100 switch.
- Brocade 5100 SW Enterprise license includes the following licenses (links below take you to the Brocade Web site):
 - [ISL Trunking](#)
 - [Advanced Performance Monitoring](#)
 - [Extended Fabrics](#)
 - [Adaptive Networking](#)
- The 40-port version of Brocade 5100 can be purchased bundled with the Enterprise Package license at a lower price point than if the switch and the license were purchased separately:
 - X-5140-1008-R5-C for the 8Gb SFPs version
- Brocade 5100 **Integrated Routing** license should be purchased as a separate license.
- Brocade 5100 **FICON** should be purchased as a separate license.
- Every Brocade 5100 switch comes with these licenses (links below take you to the Brocade Web site):
 - [Web Tools](#)
 - [Advanced Zoning](#)
 - [Fabric Watch](#)
 - **Enhanced Group Management**
 - **Full Fabric**
- POD licenses will enable expansion to an existing switch configuration in 8-port increments: for example, from a 24-port to a 32-port switch to 40-port switch.
- There is a maximum of 40 ports available on Brocade 5100 switch.
- Every POD license will include eight SFPs; all 8Gb SFPs.

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.

Enhanced Group Management is an agent required for Brocade EFCM management client group management functions.

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

Brocade 5300 Information



Brocade 5300 Hardware Options

The following table presents the hardware purchasing options for Brocade 5100 switch. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
X-5320-0008-R5-C	48-Pt Brocade 5300 FF FC 8Gbps,-C,R5	C
X-5340-0008-R5-C	80-Pt Brocade 5300 FF FC 8Gbps,-C,R5	C
X-5340-1008-R5-C	80-Pt Brocade 5300 FF FC 8Gbps,ENT,-C,R5	C
X-MENTPOD8-01-R6	Brocade 5300 16-POD for 8Gbps,R6 (includes 16 8Gb SFPs)	C

- The 48-port version of Brocade 5300 comes populated with 48 SFP modules, all 8Gbps SFPs.
- The 80-port version of Brocade 5300 comes populated with 80 SFP modules, all 8Gbps SFPs.
- POD licenses will enable expansion to an existing switch configuration in 16-port increments: for example, from a 48-port to a 64-port switch to an 80-port switch.
- There is a maximum of 80 ports available on Brocade 5300 switch.
- Every POD license will include 16 SFPs; always 8Gb SFPs.
- Every 5300 series switch comes with these licenses (links below take you to the Brocade Web site):
 - [Web Tools](#)
 - [Advanced Zoning](#)
 - [Fabric Watch](#)
 - **Enhanced Group Management**
 - **Full Fabric**
- The 80-port version of Brocade 5300 can be purchased bundled with the Enterprise Package license at a lower price point than if the switch and the license were purchased separately:
 - X-5340-1008-R5-C for the 8Gb SFPs version
- Brocade 5300 switches are qualified to be configured into NetApp cabinets.

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.

Enhanced Group Management is an agent required for Brocade EFCM management client group management functions.

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

Brocade 5300 Software Options

The following table presents the software purchasing options for the Brocade 5300 switch. Partners should contact their channel representative for pricing information.

Part Number	Description	Discount Category Code
SW-MENTEB-01	Brocade 5300 SW Enterprise Package	C
SW-MENTIR-01	Brocade 5300 SW Integrated Routing	C
SW-MENTCUP-01-C	Brocade 5300 SW FICON,-C	C
X-MENTPOD8-01-R6	Brocade 5300 16-POD for 8Gbps,R6 (includes 16 8Gb SFPs)	C

- NetApp does not carry a separate ISL Trunking license for Brocade 5300 switch.
- Brocade 5300 SW Enterprise license includes the following licenses: (links below take you to the Brocade Web site):
 - [ISL Trunking](#)
 - [Advanced Performance Monitoring](#)
 - [Extended Fabrics](#)
 - [Adaptive Networking](#)
- The 80-port version of Brocade 5300 can be purchased bundled with the Enterprise Package license at a lower price point than if the switch and the license were purchased separately:
 - X-5340-1008-R5-C for the 8Gb SFPs version
- Brocade 5300 SW **Integrated Routing** can be purchased as a separate license.
- Every Brocade 5300 switch comes with these licenses (links below take you to the Brocade Web site):
 - [Web Tools](#)
 - [Advanced Zoning](#)
 - [Fabric Watch](#)
 - **Enhanced Group Management**
 - **Full Fabric**
- POD licenses will enable expansion to an existing switch configuration in 16-port increments: for example, from a 48-port to a 64-port switch to 80-port switch.
- There is a maximum of 80 ports available on Brocade 5300 switch.
- Every POD license will include eight SFPs; all 8Gb SFPs.

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.

Enhanced Group Management is an agent required for Brocade EFCM management client group management functions.

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

Service Options

NetApp offers NetApp Global Support for all of the Brocade SAN gear.

Important!!

The Brocade 300, 5100, and 5300 switches will come with 4Hr Parts Delivery SupportEdge Standard support included with every switch. There will be an option to upgrade the switches to a higher level offering, but there will be no way to lower the level of support and detach the 4Hr Parts Delivery SupportEdge Standard support from these switches.

The pricing for the additional 4hr Parts Delivery SupportEdge Standard support will be done in accordance with the SupportEdge Standard pricing set up by NetApp Global Services.

The following table lists the NetApp SupportEdge offerings for the Brocade 300, 5100, and 5300 switches and their software options. These part numbers are the same for different models, but their pricing is different, depending on the list price of the hardware and software for which the support agreement is purchased.

Part Number	Description	Discount Category Code
SVC-O-2HR	HW Support, Premium, 2hr	S
SVC-O-4HR	HW Support, Premium, 4hr	S
SVC-O-NBD	HW Support, Premium, NBD	S
SVC-INST-O-2HR	Initial Install, Premium, 2hr	S
SVC-INST-O-4HR	Initial Install, Premium, 4hr	S
SVC-INST-O-NBD	Initial Install, Premium, NBD	S
SVC-A-4D	HW Support, Standard,4hr	S
SVC-A-4R	HW Support, Standard Replace,4hr	S
SVC-A-NBR	HW Support, Standard Replace, NBD	S
SVC-A-IN-4D	HW Support, Standard, Inst, 4hr	S
SVC-A-IN-4R	HW Support, Standard Replace, Inst, 4hr	S
SVC-A-IN-NBR	HW Support, Standard Replace, Inst, NBD	S
SVC-INST-A-IN-4D	Initial Install, Standard, Inst, 4hr	S
SVC-INST-A-IN-4R	Initial Install, Standard Delivery, Inst, 4hr	S
SVC-INST-A-IN-NBR	Initial Install, Standard Delivery, Inst, NBD	S
SVC-SEC-2HR	HW Support, Secure, 2hr	S
SVC-SEC-4HR	HW Support, Secure, 4hr	S
SVC-SEC-NBD	HW Support, Secure, NBD	S
SVC-INST-SEC-2HR	Initial Install, Secure, 2hr	S
SVC-INST-SEC-4HR	Initial Install, Secure, 4hr	S
SVC-INST-SEC-NBD	Initial Install, Secure, NBD	S
SVC-SEC-2D	HW Support, Secure, Parts Delivery, 2hr	S
SVC-SEC-4D	HW Support, Secure, Parts Delivery, 4hr	S
SVC-SEC-NBDD	HW Support, Secure, Parts Delivery, NBD	S
SW-SSP-O-2HR	SW Subs,Premium,2hr	S
SW-SSP-O-4HR	SW Subs,Premium,4hr	S
SW-SSP-O-NBD	SW Subs, Premium, NBD	S
SW-SSP-A-4D	SW Subs, Standard, Parts Delivery, 4hr	S
SW-SSP-A-4R	SW Subs, Standard Replace, 4hr	S
SW-SSP-A-NBR	SW Subs, Standard Replace, NBD	S
SW-SSP-A-IN-4D	SW Subs, Standard, Inst, 4hr	S
SW-SSP-A-IN-4R	SW Subs, Standard Replace, Inst, 4hr	S
SW-SSP-A-IN-NBR	SW Subs, Standard Replace, Inst, NBD	S
SW-SSP-SEC-2HR	SW Subs,Secure,2hr	S
SW-SSP-SEC-4HR	SW Subs,Secure,4hr	S
SW-SSP-SEC-NBD	SW Subs, Secure, NBD	S
SW-SSP-SEC-2D	SW Subs, Secure, Parts Delivery, 2hr	S
SW-SSP-SEC-4D	SW Subs, Secure Parts Delivery, 4hr	S

Software Subscription Plans

Software subscription plans for all of the software options in this bulletin (including Brocade EFCM package) are supported fully through the NetApp SupportEdge services.

Quoting

For detailed instructions on how to quote this product or service using the Quote Tool, see [QTB for Brocade Switches](#).

Downloading

To download the latest FOS version, go to:

[Brocade Firmware Download Page](#)

Product Availability

Brocade 300, 5100, and 5300 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 warranty, extended warranty, and NetApp SupportEdge purchases and renewals apply to Brocade 300, 5100, and 5300 8Gb/sec FC switches just as they do to storage controllers (FAS systems) and other Brocade switches already under NetApp SupportEdge services. Customers can order SupportEdge Premium, SupportEdge Standard, and SupportEdge Secure for Government.

9. Additional Information

[See product page.](#)

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