



BROCADE 200E SWITCH

FREQUENTLY ASKED QUESTIONS

Q How does the Brocade® 200E differ from the Brocade 3250 and 3850 respectively?

A The Brocade 200E is a 4 Gbit/sec switch with the flexibility to offer 8-, 12-, and 16-port configurations through Ports On Demand licensing. The Brocade 3250 and Brocade 3850 are two separate 2 Gbit/sec switches at different port counts.

| | 8-, 12-, 16-port Brocade 200E | 8-port Brocade 3250 | 16-port Brocade 3850 | 16-, 24-, 32-port Brocade 4100 and 5000 |
|---|----------------------------------|------------------------|----------------------------|---|
| 4 Gbit/sec link speed | ◆ | | | ◆ |
| 2 Gbit/sec link speed | ◆ | ◆ | ◆ | ◆ |
| 1 Gbit/sec link speed | ◆ | ◆ | ◆ | ◆ |
| Auto-sensing of link speed | ◆ | ◆ | ◆ | ◆ |
| Universal ports (F/FL/E) with auto-discovery | ◆ | ◆ | ◆ | ◆ |
| Non-disruptive, hot code load and activation ready | ◆ | ◆ | ◆ | ◆ |
| Redundant power supplies | | | ◆ | ◆ |
| Redundant cooling | ◆ | ◆ | ◆ | ◆ |
| Hot-swappable power supplies | | | | ◆ |
| Hot-swappable fan assemblies | | | | ◆ |
| ISL Trunking (32 Gbit/sec) | | | | ◆ |
| ISL Trunking (16 Gbit/sec) | ◆ | | | ◆ |
| ISL Trunking (8 Gbit/sec) | ◆ | ◆ | ◆ | ◆ |
| EZSwitchSetup wizard for easy setup and management | ◆ | ◆ | ◆ | ◆ |
| Ports on Demand | ◆ | | | ◆ |
| Brocade Access Gateway Mode | ◆ ¹ | | | |
| Class 2 or Class 3 service support | ◆ | ◆ | ◆ | ◆ |
| F service support (inter-switch frames) | ◆ | ◆ | ◆ | ◆ |
| SWL and LWL | ◆ | ◆ | ◆ | ◆ |
| ELWL media | | ◆ | ◆ | ◆ |
| Small Form-factor Pluggable (SFP) media | ◆ | ◆ | ◆ | ◆ |
| Hardware zoning (port level) | ◆ | ◆ | ◆ | ◆ |
| Hardware zoning for WWN (with port binding) | ◆ | ◆ | ◆ | ◆ |
| Enhanced buffer pool management | ◆ | ◆ | ◆ | ◆ |
| Maximum latency (any port to any port) 1.2 microseconds | ◆ | ◆ | ◆ | ◆ |

¹ Available on 16-port configurations

Q What is Brocade Access Gateway?

A Brocade Access Gateway is a powerful Brocade Fabric OS® feature for the Brocade 200E Switch that enables seamless connectivity into any SAN environment, enhances scalability, and simplifies management. The Brocade 200E can be deployed *either* as a full-fabric Fibre Channel SAN switch *or* as a Brocade Access Gateway providing connectivity into any SAN (default mode is a switch). The Brocade 200E in Brocade Access Gateway mode significantly improves fabric scalability by reducing domain count considerations, resolving domain management challenges, simplifying management, and providing extremely cost-effective server connectivity into the SAN. It enables mixed-vendor SAN configurations by leveraging N_Port ID Virtualization (NPIV). (NOTE: Brocade Access Gateway mode on the Brocade 200E is only supported in 16-port configurations, with Brocade FOS 5.3 or higher, and is offered at no additional cost.)

Q What are the differences in device functionality for the Brocade 200E in Switch mode versus Brocade Access Gateway mode?

A Some of the fabric services available in Switch mode do not apply or are unavailable in Brocade Access Gateway mode, including Simple Name Server (SNS), Registered State Change Notification (RSCN), Brocade Advanced Zoning, Brocade Web Tools, Brocade EZSwitchSetup wizard, direct connection to SAN target devices, Admin Domains, SMI-S, Fibre Channel Arbitrated Loop support, Management Services, Brocade Fabric Watch, Brocade Extended Fabrics, Brocade Advanced Performance Monitoring, Brocade Fabric Manager, and Brocade Inter-Switch Link (ISL) Trunking.

Q How do I enable Brocade Access Gateway mode on the Brocade 200E?

A Brocade Access Gateway mode is easily enabled via Brocade Web Tools, the CLI, or Brocade Fabric Manager (refer to the Brocade Access Gateway Administrator's Guide for specific instructions on enabling Brocade Access Gateway mode).
Note: The Brocade 200E in Brocade Access Gateway mode does not support target mode (direct connectivity to storage arrays); for this use model, deploy the Brocade 200E in switch mode. Some of the fabric services available in Switch mode do not apply or are unavailable in Brocade Access Gateway mode.

Q Where can I find more information about Brocade Access Gateway?

A Refer to www.brocade.com/products/software/AccessGateway.jsp.

Q What "hot-swappable" Field Replaceable Units (FRUs) are available for the Brocade 200E?

A The Brocade 200E requires no hot-swappable FRUs—with the exception of the removable SFP media modules. The entire switch chassis is the only FRU module. The product design is highly integrated and provides the lowest possible entry price point for a 4 Gbit/sec 8-, 12-, or 16-port switch.

Q What is Ports on Demand?

A Ports on Demand is a feature that allows the non-disruptive enabling of eight ports via a software license. All Brocade 200E systems ship with 16 ports physically in the system. Base systems have only eight ports enabled. A single Ports on Demand license enables

an additional four ports. Organizations can enable up to two licenses on any switch for a total of 16 ports.

Q Does the Brocade 200E provide hot code load?

A Yes. The Brocade 200E comes standard with hot code activation.

Q What security features are available on the Brocade 200E?

A With the Brocade 200E, organizations can access the strongest enterprise-class security methods by enabling various software features in Brocade Fabric OS. Fabric OS enables digital certificates and digital signatures, multiple levels of password protection, RBAC support to assign unique roles to users, strong password encryption, Public Key Infrastructure (PKI) authentication, and 128-bit encryption of the switch's private key used for digital signatures. Fabric OS can also provide Access Control Lists (ACLs) to define what is allowed to connect to or manage the environment, as well as advanced authentication capabilities.

Q What is the total aggregate bandwidth of the Brocade 200E?

A The total aggregate bandwidth with all 16 ports enabled is 128 Gbit/sec end to end.

Q Is performance analysis reporting available through a Brocade software package or is the information only available through the Brocade SMI Agent and some third-party software packages?

A Performance analysis reporting is available through Brocade Web Tools and through the Brocade SMI Agent.

Q Do I need a special license key to use 16 Gbit/sec ISL Trunking with the Brocade 200E?

A Yes. The ISL Trunking license key is an optional software license that can be factory- or field-installed.

Brocade 200E Contacts

Q Whom do I call if I have more questions about the Brocade 200E?

A End-user customers should contact their local Brocade sales representatives. Brocade OEM Partners should contact their Brocade account managers.

Q Where else can I find information about the Brocade 200E?

A You can find more information at www.brocade.com/products/switches.jsp.

www.brocade.com

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