### Storage Area Networks (SAN) Embedded, Routing, SAN Extension, FCoE, and Encryption

<table>
<thead>
<tr>
<th>FABRIC MODEL</th>
<th>MODEL</th>
<th>PART NUMBERS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brocade FCOE</td>
<td>10-24 FC</td>
<td>504047-01</td>
<td>FC Fibre Channel Blade</td>
</tr>
<tr>
<td>Brocade 5480</td>
<td>10</td>
<td>504047-01</td>
<td>FC Fibre Channel Blade</td>
</tr>
<tr>
<td>Brocade FS8-18</td>
<td>4GB SW SFP</td>
<td>AJ715A</td>
<td>Up to 4 blades per HP StorageWorks DC SAN</td>
</tr>
<tr>
<td>Brocade 18/24 FC</td>
<td>10/24 FC</td>
<td>504044-01</td>
<td>FC Fibre Channel Blade</td>
</tr>
<tr>
<td>Brocade FCOE 10-24 DCX Blade</td>
<td>504047-01</td>
<td>Brocade 5480</td>
<td>Brocade 18/24 FC Blade</td>
</tr>
</tbody>
</table>

### TRUNKING

- Extended Fabrics
- Advanced Performance Monitoring
- ISL Trunking
- Fabric Watch

### SECURITY

- SAO (TA756A)
- Adaptive Networking (T5524A)
- ISL Trunking (T5527A)
- Fabric Watch (324504-B21)

### Advanced Hardware Compression

- 10GbE port upgrade

### MORE INTEROPERABILITY OPTIONS

- FCIP Fast Write, Open Systems Tape Pipelining, Backbone Director or DC04 SAN Director

### PART NUMBERS FOR BROCADE-HP PRODUCTS

- HP Virtual Connect 8Gb24-Port FC Module (466482-001)
- HP Virtual Connect 8Gb12-Port FC Module (466481-001)
- HP Virtual Connect 8Gb6-Port FC Module (466480-001)

### SUPPORTED SYSTEMS

- HP BladeSystem c-Class
- HP c3000 Enclosure
- HP 10/24 FCoE Blade
- HP 18/24 FC Blade
- HP 4/8/16/24 port (AJ821B)

### HP 10/24 FCoE (4Gb FC) Single Port Blade

- HP 10/24 FCoE (4Gb FC) Single Port Blade
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### HP 10/24 FCoE (4Gb FC) Dual Port Blade

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- HP 10/24 FCoE (4Gb FC) Single Port Blade
- HP 10/24 FCoE (4Gb FC) Single Port Blade

### BROCADE FC HBAs

- HP 10/24 FCoE 4Gb FC Single Port Blade
- HP 10/24 FCoE 4Gb FC Dual Port Blade
- HP 10/24 FCoE 4Gb FC Single Port Blade
- HP 10/24 FCoE 4Gb FC Dual Port Blade

### MORE INTEROPERABILITY OPTIONS

- FCIP Fast Write, Open Systems Tape Pipelining, Backbone Director or DC04 SAN Director

### FOR MORE INFORMATION

For more information, contact the HP Sales Engagement Office at Brocade-HP@san.com, the HP 10/24 Blade at HP-Brocade.com, or the nearest contact listed below.

### CONTACTS

- **Worldwide HP Sales**:
  - **Asia Pacific**:
    - **Australia**: Andrew Lever
    - **China**: Paul Brodie
    - **Japan**: Tsukasa Takahashi
    - **India**: Anurag Agarwal
    - **South Korea**: Young Don Kim
    - **New Zealand**: Grant McAlister
    - **Singapore**: Roy Tan
  - **Europe**:
    - **France**: Eric Lecouffle
    - **Germany**: Martin Krämer
    - **Ireland**: Declan Logue
    - **Italy**: Riccardo Facciotti
    - **United Kingdom**: Deidre Cook
  - **North America**:
    - **Canada**: Randy Nelz
    - **U.S.A.**: Paul Winbauer
  - **Latin America**:
    - **Brazil**: Deidre Cook
    - **Mexico**:Module

### QUICK REFERENCE GUIDE FOR BROCADE-HP PRODUCTS

- **Part Numbers**: 466482-001, 466481-001, 466480-001
- **Models**: 10/24 FCoE Blade
- **Ports**: 10/24 FCoE Blade
- **Bandwidth**: 10/24 FCoE Blade
- **Latency**: 10/24 FCoE Blade
- **Protocol**: FCIP
- **Interoperability**: FCIP
- **Supported Systems**: HP BladeSystem c-Class, HP c3000 Enclosure
- **Licenses**: Advanced Performance Monitoring, ISL Trunking, Fabric Watch
- **Miscellaneous**: Brocade FOS (includes Web Tools and Advanced Zoning)
## HP B-Series Product Portfolio

### EXPANDING YOUR SAN

#### EXPANDABILITY

- Port-to-Demand upgrades available, 4 port increments (T8008)
- Port-to-Demand upgrade licenses (T8008)
- Port-to-Demand upgrade licenses, 12 port increments (T8009)
- Port-to-Demand upgrade licenses, 16 port increments (T8010)

#### HARDWARE FEATURES

- Rack Mount Kit (for all 8Gb platforms)
- Rack Mount Kit (3RU or 4RU)
- Rack Mount Kit (large affordable)

#### STANDARD SOFTWARE LICENSES

- Brocade FOS 7 includes Web Tools and Advanced Zoning
- Enhanced Group Management
- Access Gateway (all 4 ports must be activated)
- Brocade FOS 7 (includes Web Tools and Advanced Zoning)

#### OPTIONAL SOFTWARE UPGRADES (BASIC CONFIGURATION)

- Power Pack (T4264A)
- Fabric Watch (T4265A)
- Advanced FICON Accelerator (T4263A)

#### OPTIMAL SOFTWARE UPGRADES (BASIC CONFIGURATION)

- Power Pack (T4264A)
- Fabric Watch (T4265A)
- Advanced FICON Accelerator (T4263A)

### COMMENTS

- Power Packet model suffix includes: Fabric Watch, IP Trunking, Advanced Performance Monitoring, Extended Fabrics, Adaptive Networking, Server Application Optimization
- HP B-Series Data Center Fabric Manager Professional (FD), HP B-Series Data Center Manager Fabric Manager Professional (FD), HP B-Series DCFM Performance Plus Upgrade (FD)
- HP B-Series DCFM Performance Plus Upgrade (FD)

### SAN EXCHANGE

- HP Encryption SAN Switch Exchange For Data at Rest

### FC4E

- FC4E Converged Network Switch

### DCX DIRECTOR (B-Series)

- HP DCX Switch 8/24 SAN Backbone Director
- HP DCX-4S and DCX 8510

### SAN FC/16 Gbps SWITCHES

<table>
<thead>
<tr>
<th>Switch</th>
<th>Model</th>
<th>Ports</th>
<th>Speed</th>
<th>Features</th>
<th>Upgradable to</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP SAN Switch 6/8</td>
<td>Brocade 300</td>
<td>6/8</td>
<td>6 Gbps</td>
<td>4-Port FC/24</td>
<td>HP SAN Switch 6/24</td>
</tr>
<tr>
<td>HP SAN Switch 6/24</td>
<td>Brocade 4710</td>
<td>6/24</td>
<td>8 Gbps</td>
<td>8-Port FC/48</td>
<td>HP SAN Switch 6/48</td>
</tr>
<tr>
<td>HP SAN Switch 8/24</td>
<td>Brocade 6405</td>
<td>8/24</td>
<td>8 Gbps</td>
<td>8-Port FC/48</td>
<td>HP SAN Switch 8/48</td>
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<tr>
<td>HP SAN Switch 8/48</td>
<td>Brocade 6700</td>
<td>8/48</td>
<td>8 Gbps</td>
<td>8-Port FC/48</td>
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### D-ABLE SFF/SFP

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### PORTS

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<tr>
<th>Speed</th>
<th>Ports</th>
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<tbody>
<tr>
<td>8 Gbps</td>
<td>8, 16, 24</td>
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<tr>
<td>4 Gbps</td>
<td>8, 24</td>
</tr>
<tr>
<td>2 Gbps</td>
<td>24, 36, 48</td>
</tr>
<tr>
<td>1 Gbps</td>
<td>24, 36, 48</td>
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### PORT SPEED

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<tr>
<td>8 Gbps</td>
<td>8/8, 8/24</td>
</tr>
<tr>
<td>4 Gbps</td>
<td>8/12, 8/24</td>
</tr>
<tr>
<td>2 Gbps</td>
<td>8/24, 1/24</td>
</tr>
<tr>
<td>1 Gbps</td>
<td>8/40, 1/20</td>
</tr>
</tbody>
</table>

### PCIe

- HP SAN Switch 6/24 | Brocade 4710 | 6/24 | 8 Gbps | 8-Port FC/48 | HP SAN Switch 6/48 |
- HP SAN Switch 8/24 | Brocade 6405 | 8/24 | 8 Gbps | 8-Port FC/48 | HP SAN Switch 8/48 |
- HP SAN Switch 8/48 | Brocade 6700 | 8/48 | 8 Gbps | 8-Port FC/48 | HP SAN Switch 8/48 |

### BROCADE MODEL

- Brocade 300
- Brocade 3400
- Brocade 6020
- Brocade 6700
- Brocade 8450
- Brocade 4710
- Brocade 6405
- Brocade 6700
- Brocade 8450
- Brocade 4710
- Brocade 6405
- Brocade 6700
- Brocade 8450

### NOT SUPPORTED

- 32 Gb SAN Switch (T8564A)
- Brocade 5300
- HP SN3000B 16Gb FC Switch

### NOT SUPPORTED WITH

- HP B-Series Directors, Switches, and HBAs
- HP B-Series Directors, Switches, and HBAs

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