

IBM SAN Data Gateway 2108 Model G07

IBM Storage and Server interoperability Matrix

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Notes:

1. IBM SAN Data Gateway 2108 model G07 requires [firmware](#) level 3.43.14
2. Host Bus Adapter [Supported](#) Fibre Versions Matrix.
3. Both tape and disk attached to the same HBA are not recommended.
4. Both tape and disk attached to the same SAN Data Gateway in not supported at this time.
5. Gateway configurations using the IBM 2103 Hub for distance solutions are supported. Multiple initiators or targets on the same loop are not supported.
6. Download [Reference Information](#).
 - [Service Guide](#).
 - [Installation and User's Guide](#).
 - [Service Guide for Data Mover Agent RPQ](#).
 - [Installation and User's Guide for Data Mover Agent RPQ](#).
7. StorWatch SAN Data Gateway Specialist version 2.7.02 is recommended. [AIX](#), [Solaris](#), [HPUX](#) and [Windows](#).
8. 2 to 6 FC Ports and 4 HVD SCSI Ports (FC 2214)
9. 3590 Model H Drives are not supported on the 2108 Model G07.
10. Ensure all device drivers, firmware is at current levels.
11. Supported Service Port Utility: [NETTERM](#) Home Site.
12. Planned availability dates represent current estimates and are subject to change or withdrawal at any time without notice.

ESS Connectivity

IBM pSeries, RS/6000 and RS/6000-SP Servers

Storage Systems	Description	Platform/Operating Systems	Additional Information
Disk Storage Systems	<p>IBM TotalStorage Enterprise Storage Servers</p> <p>2105 Model E10 and Model E20 with firmware level 318C or J0427</p> <p>2105 Model F10 and Model F20 with firmware level J0427</p>	<p>IBM pSeries RS/6000 Models S80, S7A, S70, M80, H80, H70, H50, F80, F50 AIX 4.3.3.0 -03 with APARs IY08960 and IY03872, or later</p> <p>IBM pSeries RS/6000 SP - AIX Version 4.3.3.0 -03 with APARs IY08960 and IY03872 or later and PSSP V3.1.1, with APAR IY03104, IY07130 and IY09260, or later. Note: FC 2054 and 2055 also require PSSP 3.1.1 with APARs IY04782, IY04804 and IY04819 or later.</p> <p>HACMP - HACMP 4.3.1 with APAR IY07313 and IY09595, or later. Up to 4 way clusters, only with ESS Ex0 models, in configurations without a Fibre Channel switch are supported.</p> <p>Gigabit Fibre Channel Adapter: FC 6227 FC 6228</p>	<p>Available</p> <p>Point To Point or 2109-S08/S16 or 2032-001 Director are supported, in non-cascaded configurations.</p> <p>See IBM TotalStorage ESS List of Supported Servers for details and prerequisites.</p>

Notes:

- FC 6228 is not supported on the 7013-S70, 7015-S70, & 7017-S70.
- AIX Logical Volume Manager mirroring is supported at this time, only if mirrored sets are between different ESS subsystems. Refer to the AIX Installation README for further details.
- Maximum of two RS/6000 hosts per SAN Data Gateway.
- For multi-host access to the same LUN(s) on ESS, the SAN Data Gateway must be partitioned (split mode).

Intel Based NT, Windows 2000, NetWare, Linux, and NAS Servers

Storage Systems	Description	Platform/Operating Systems	Additional Information
<p>Disk Storage Systems</p>	<p>IBM TotalStorage Enterprise Storage Servers</p> <p>2105 Model E10 and Model E20 2105 Model F10 and Model F20</p> <p>Versatile Storage Server (2105-B09)</p>	<p>IBM Netfinity Servers and other Intel-based Servers.</p> <p>Pentium Pro or later processors, 200MHz or faster and at least 128MB of memory.</p> <p>Windows NT 4.0 with SP 6A</p> <p>Windows 2000 with SP2</p> <p>IBM Host Bus Adapter P/N: 01K7297</p> <p>QLogic: QLA2200F QLA2100F</p> <p>Emulex: LP8000 LP7000E</p>	<p>Available</p> <p>Point To Point or 2109-S08/S16 or 2032-001 Director.</p> <p>Virtual Private SAN (VP SAN)</p> <p>See IBM TotalStorage ESS List of Supported Servers for details and prerequisites.</p>

SUN Microsystems Servers

Storage Systems	Description	Platform/Operating Systems	Additional Information
Disk Storage Systems	<p>IBM TotalStorage Enterprise Storage Servers</p> <p>2105 Model E10 and Model E20 2105 Model F10 and Model F20</p> <p>Versatile Storage Server (2105-B09)</p>	<p>SUN Ultra and Enterprise servers with Solaris 2.6, 7, 8</p> <p>Ultra 2, 30, and 60</p> <p>Enterprise 450, 3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, and 10000</p> <p>Qlogic: QLA2200F QLA2100F</p> <p>JNI: FCI-1063-N (PCI) FC64-1063 (Sbus)</p>	<p>Available</p> <p>Point To Point or 2109-S08/S16 or 2032-001 Director.</p> <p>Virtual Private SAN (VP SAN)</p> <p>See IBM TotalStorage ESS List of Supported Servers for details and prerequisites.</p>

Hewlett-Packard Servers

Storage Systems	Description	Platform/Operating Systems	Additional Information
Disk Storage Systems	<p>IBM TotalStorage Enterprise Storage Servers</p> <p>2105 Model E10 and Model E20 2105 Model F10 and Model F20</p> <p>with firmware level J0427</p>	<p>Hewlett-Packard 9000 Enterprise Servers HP/UX 11.0</p> <p>Enterprise Storage Server: D,K, N, V-class</p> <p>HP: D-Class: A3591B or A6684A</p> <p>K-Class: A3404A or A6685A</p> <p>N, V-Class: A3740A</p>	<p>Available</p> <p>Point To Point or 2109-S08/S16 with RPQ 8S0521 or 2032-001 Director.</p> <p>Virtual Private SAN (VP SAN)</p> <p>See IBM TotalStorage ESS List of Supported Servers for details and prerequisites.</p>

Notes:

- PVLinks and HP Serviceguard are not supported
- SAN Data Gateway support is only with ESS feature 3020.

TAPE Connectivity

Notes:

- 3590 H Model Drives are not supported on the 2108-G07.
- The 2108-G07 only supports HVD SCSI Devices.

IBM pSeries, RS/6000 and RS/6000-SP Servers

Storage Systems	Description	Platform/Operating Systems	Additional Information
<u>Tape Storage Systems</u>	<p><u>IBM TotalStorage Enterprise Tape Drive 3590</u> Bxx and Exx Models Only</p> <p>3494 Magstar Tape Library or Silo Compatible Frame</p> <p>3494-B10/B18/B20 Magstar <u>Virtual Tape Server</u>. Point to point or 2109 Only.</p> <p><u>3580 Ultrium</u> Tape Drive.</p> <p><u>3581 Ultrium</u> Tape Autoloader.</p> <p><u>3583 Ultrium Scalable</u> Tape Library</p> <p><u>3584 UltraScalable</u> Tape Library</p> <p>3570/3575 Magstar MP Tape Libraries</p>	<p>IBM pSeries, RS/6000 and RS/6000-SP Servers AIX 4.3.3 or 5.1</p> <p>Gigabit Fibre Channel Adapter: FC 6227 FC 6228</p>	<p>Available</p> <p>Point To Point or <u>2109-S08/S16</u> or <u>2032-001</u> Director.</p>

Notes:

- FC 6228 is not supported on the 7013-S70, 7015-S70, & 7017-S70.

Intel Based NT, Windows 2000, and NAS Servers

Storage Systems	Description	Platform/Operating Systems	Additional Information
<p>Tape Storage Systems</p>	<p>IBM TotalStorage Enterprise Tape Drive 3590 Bxx and Exx Models Only</p> <p>3494 Magstar Tape Library or Silo Compatible Frame</p> <p>3494-B10/B18/B20 Magstar Virtual Tape Server. Point to Point or 2109 Only.</p> <p>3580 Ultrium Tape Drive.</p> <p>3581 Ultrium Tape Autoloader.</p> <p>3583 Ultrium Scalable Tape Library</p> <p>3584 UltraScalable Tape Library</p> <p>3570/3575 Magstar MP Tape Libraries</p>	<p>IBM Netfinity Servers and other Intel-based Servers.</p> <p>Windows NT 4.0 with SP 6A</p> <p>Windows 2000 (Server and Advanced Server versions) with SP1</p> <p>IBM Host Bus Adapter P/N: 00N6881 P/N: 01K7297</p> <p>QLogic: QLA2200F QLA2100F</p> <p>Emulex: LP8000</p>	<p>Available</p> <p>Point To Point or 2109-S08/S16 or 2032-001 Director.</p>

Notes:

- Windows 2000 requires RSM be disabled and an ISV device driver be used to operate the media changers.

SUN Microsystems Servers

Storage Systems	Description	Platform/Operating Systems	Additional Information
<p><u>Tape Storage Systems</u></p>	<p><u>IBM TotalStorage Enterprise Tape Drive 3590</u> Bxx and Exx Models Only</p> <p>3494 Magstar Tape Library or Silo Compatible Frame</p> <p>3494-B10/B18/B20 Magstar <u>Virtual Tape Server</u>. Point to Point or 2109 Only.</p> <p><u>3580 Ultrium</u> Tape Drive.</p> <p><u>3581 Ultrium</u> Tape Autoloader.</p> <p><u>3583 Ultrium Scalable</u> Tape Library</p> <p><u>3584 UltraScalable</u> Tape Library</p> <p>3570/3575 Magstar MP Tape Libraries</p>	<p>SUN Ultra and Enterprise servers Solaris 2.6, 7, 8</p> <p>Qlogic: QLA2200F</p> <p>Emulex: LP8000 LP8000S</p> <p>JNI: FC64-1063 (Sbus) Point to Point Only</p>	<p>Available</p> <p>Point To Point or <u>2109-S08/S16</u> or <u>2032-001</u> Director.</p>