



McDATA Intrepid 10000 Director Hardware Release Notes

For Installation in Sun™ Storage Area Networks

Sun Microsystems, Inc.
www.sun.com

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McDATA Intrepid 10000 Director Hardware Release Notes

This document contains important information about the McDATA Intrepid 10000 Director hardware installed in Sun storage area networks (SANs).

Read this document so that you are aware of issues or requirements that can impact the installation and operation of the McDATA Intrepid 10000 Director in a Sun SAN.

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This document contains the following sections:

- [“Product Features” on page 1](#)
- [“Supported Hardware” on page 3](#)
- [“Related Documentation” on page 6](#)
- [“Service Contact Information” on page 6](#)

Product Features

The McDATA Intrepid 10000 Director acts as the backbone of your data center. The base McDATA Intrepid 10000 Director does the following:

- Allows up to 256 ports
- Consolidates multi-fabric deployments

- Secures data in fabrics with partitioning
- Enables dynamic port allocation
- Supports the SWX Switch Card and LMQ 4-Gbps Line Module

Note – The rail kit supplied with the McDATA Intrepid 10000 Director works only with McDATA racks. The McDATA Intrepid 10000 Director cannot be installed into Sun racks.

Installing the Switch in an Existing Fabric

If you are installing the McDATA Intrepid 10000 Director into an existing fabric, make sure that all McDATA Intrepid 10000 Directors in the fabric are running the same version of firmware. Sun does not support the combination of later firmware versions with earlier firmware versions. Upgrade any McDATA Intrepid 10000 Directors so that they run later versions of firmware if necessary.

Note – Firmware version E/OSn 9.1 is the minimum firmware version for the McDATA Intrepid 10000 Director. For other switches in the fabric, the minimum EOS firmware version is E/OSc 9.1.

For more information on required firmware for the McDATA Intrepid 10000 Director hardware, see the Sun document *Firmware Version E/OSn 9.1 Release Notes*, part number 819-7985-10 available at <http://docs.sun.com>.

Installing the SWX Switch Card in the McDATA Intrepid 10000 Director

You can install an SWX Switch Card wherever an SWM is currently used. The SWX is compatible with existing SWM cards and up to four SWX cards can be installed in a McDATA Intrepid 10000 Director.

Note – The Intrepid 10000 Director must be running E/OSn 9.1 prior to the installation of SWX hardware.

Installing an LMQ Module in the McDATA Intrepid 10000 Director

The LMQ is hot-pluggable into a McDATA Intrepid 10000 Director LIM (Line Module) slot. That is, you may insert the LMQ while the system is running. The LMQ is compatible with all prior LIMs and requires no additional hardware in the McData Intrepid 10000 Director.

Note – The Intrepid 10000 Director must be running E/OSn 9.1 prior to the installation of LMQ hardware.

Supported Hardware

The following is a list of the storage devices, host bus adapters (HBAs), and servers that are supported by the McDATA switches and directors.

Note – If the device you want to connect is not listed in the following section, check the Release Notes for your HBA or storage device, or contact your Sun account representative to see if support for your device has been added.

Supported Storage Platforms

- Sun StorageTek™ 3510 and 3511 FC arrays
- Sun StorageTek 6120 and 6130 arrays
- Sun StorEdge™ T3 array with full fabric
- Sun StorageTek 6320 system
- Sun StorageTek 6920 system
- Sun StorageTek Fibre Channel 9840B, 9840C, 9940B, SDLT 600, LTO-2 and LTO-3 FC tape drives
- Sun StorageTek FC420 FC-SCSI Bridge for L25 and L100 tape libraries with the SG-XFCCARD2-C LVD SCSI to Fibre Channel Card or the SG-XFC420CARD-MOD Fibre Channel / LVD Internal Bridge
- C4 tape library with the SG-XFCCARD2-C LVD SCSI to Fibre Channel Card
- FC Robots: L180, L700 2G (Full Fabric), L500 2G (Full Fabric), L8500 2 (Full Fabric)

- Sun StorageTek Flexline™ 380 array
- Sun StorageTek 6140 and 6540 arrays
- Sun StorageTek 3900-family Switchless Systems
- Sun StorEdge SE9910, 9960, 9970, 9980, 9985, 9990 systems

Note – The McDATA 10 Gb port supports only a short-wave ISL connection to another 10-Gb port at this time.

Supported Host Bus Adapters

HBAs (Host Bus Adapters) with the following Sun model numbers are compatible with the McData Intrepid 10000 Director:

- SG-XPCI1FC-QF2
- SG-XPCI1FC-QL2
- SG-XPCI2FC-QF2-Z
- SG-XPCI1FC-QF4
- SG-XPCI2FC-QF4
- SG-XPCIE1FC-QF4
- SG-XPCIE2FC-QF4
- SG-XPCIE2FC-QB4-Z
- SG-XPCI1FC-EM2
- SG-XPCI2FC-EM2
- SG-XPCIE1FC-EM4
- SG-XPCIE2FC-EM4
- SG-XPCI1FC-EM4
- SG-XPCI2FC-EM4
- SG-XPCI1FC-EM4-Z
- SG-XPCI2FC-EM4-Z

Supported Server Platforms

The McData Intrepid 10000 Director is compatible with both x64/x86 and SPARC systems. The specific servers supported are listed in the following sections.

x64/x86 Systems

The following x64/x86 systems are supported:

- Sun Fire™ V20z/V40z
- Sun Fire V60x/V65x
- Sun Fire X2100, X2200
- Sun Fire X4100/4200
- Sun Fire X4600
- Sun Blade™ 8000 Modular System

SPARC Systems

The following SPARC systems are supported:

- Sun Fire 12k/15k/E20k/E25k
- Sun Fire E2900/E4900/E6900
- Sun Fire 3800/4800/4810/6800
- Sun Fire T1000/T2000
- Sun Fire V1280/Netra™ 1280
- Sun Fire V125
- Sun Fire V210 and V240
- Sun Fire V215 and V245
- Sun Fire V250
- Sun Fire V440
- Sun Fire V445
- Sun Fire V480
- Sun Fire V490
- Sun Fire V880
- Sun Fire V890
- Sun Fire 240/Netra
- Sun Blade 1500/2500/2500+

Related Documentation

- For information on required firmware for the McDATA Intrepid 10000 Director hardware, see the Sun document *Firmware Version E/OSn 9.1 Release Notes*, part number 819-7985-10, available at <http://docs.sun.com>.
- The McDATA document *E/OSn 9.1 Software Release Notes* is available with the firmware version E/OSn 9.1 patch. This document is also available at <http://www.mcddata.com>.
- The McDATA document *Intrepid 10000 Director Element Manager User Manual*, part number 620-000227-030, is available at <http://www.mcddata.com>.
- The McDATA document *Intrepid 10000 Director Installation and Service Manual*, part number 620-000225-040, is available at <http://www.mcddata.com>.

Service Contact Information

If you need help installing or using this product in the United States, call 1-800-USA-4SUN, or go to:

<http://www.sun.com/service/contacting/index.html>