

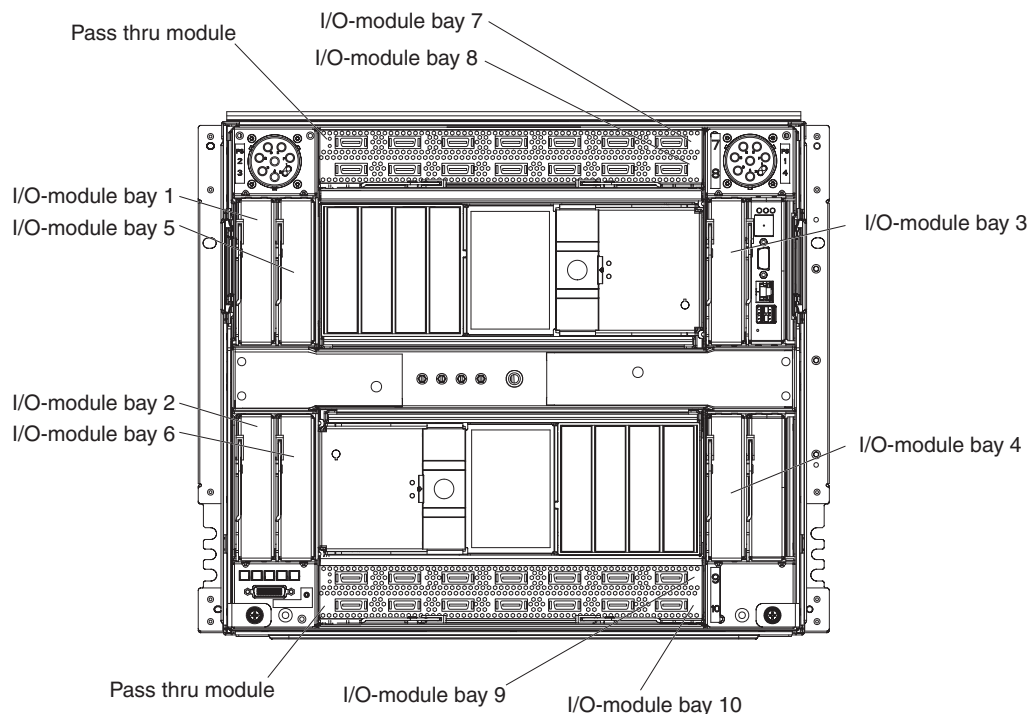
4X InfiniBand Pass-thru Module for IBM BladeCenter

This document describes the 4X InfiniBand Pass-thru Module for IBM® BladeCenter®. The pass-thru module is a double-height, high-speed device that occupies two I/O-module bays in the rear of the BladeCenter unit. The pass-thru module (I/O module) provides high bandwidth, low latency, non-blocking, 10 Gbps (Gigabits per second) and 20 Gbps single-data rate (SDR) and double-data rate (DDR) InfiniBand connectivity to the blade servers in the BladeCenter unit. You can install a maximum of two I/O modules in the BladeCenter unit: one I/O module in I/O-module bays 7/8, and one I/O module in I/O-module bays 9/10.

This product is compatible with the following products and other devices. For additional information about the devices that are compatible with this product, see <http://www.ibm.com/servers/eserver/serverproven/compat/us/>.

- 4X InfiniBand DDR Expansion Card (CFFh) for IBM BladeCenter
- Cisco 4X InfiniBand DDR Expansion Card (CFFh) for IBM BladeCenter
- Voltaire 4X InfiniBand DDR Expansion Card (CFFh) for IBM BladeCenter
- IBM BladeCenter H unit

The following illustration shows an I/O module installed in a supported IBM BladeCenter unit, such as the IBM BladeCenter H unit. See the *Installation and User's Guide* that comes with your BladeCenter unit for detailed instructions for removing and installing I/O modules and filler blades in your specific BladeCenter unit. See the *Installation and User's Guide* that comes with your blade server for detailed instructions for removing and installing expansion cards and other devices in your specific blade server.



Note: An I/O module and expansion cards can also be installed in other I/O configurations. An expansion card that supports high-speed InfiniBand devices must be installed in each blade device that uses the I/O module. Expansion cards determine the BladeCenter unit I/O-module bays that

can support each I/O module. For additional information about configuration requirements, see the applicable product documentation that comes with the device.

Option package contents

The I/O-module option package contains the following items. If any items are missing or damaged, contact your place of purchase.

- One 4X InfiniBand Pass-thru Module for IBM BladeCenter
- This *Getting Started* guide
- The *4X InfiniBand Pass-thru Module and Expansion Cards Documentation CD*, that contains the following items:
 - The *4X InfiniBand Pass-thru Module for IBM BladeCenter Installation and User's Guide*
 - The *4X InfiniBand DDR Expansion Cards (CFFh) for IBM BladeCenter Installation and User's Guide*
 - Other documents about the I/O module and expansion cards
 - The *IBM Safety Notices* documents
- *Safety Information* document

For detailed installation instructions for the I/O module and cable-ordering information, see the *4X InfiniBand Pass-thru Module for IBM BladeCenter Installation and User's Guide* on the *4X InfiniBand Pass-thru Module and Expansion Cards Documentation CD*.

The *4X InfiniBand Pass-thru Module for IBM BladeCenter Installation and User's Guide* also includes information about the following topics:

- Complete installation instructions
- Using the status LEDs and external ports on the I/O module
- Configuration instructions, if applicable
- Solving problems with the I/O module
- Related documentation
- Warranty
- Getting help and service
- Notices, including recycling

The I/O module complies with Federal Communications Commission (FCC) Class A limits. For more information, see the "Electronic emission notices" section in the *4X InfiniBand Pass-thru Module for IBM BladeCenter Installation and User's Guide* on the *4X InfiniBand Pass-thru Module and Expansion Cards Documentation CD*.

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