



Sun Blade™ 6048 InfiniBand QDR Switched Network Express Module Product Notes

Sun Microsystems, Inc.
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Sun Blade 6048 InfiniBand QDR Switched Network Express Module Product Notes

These product notes provide news and issues about the Sun Blade™ 6048 InfiniBand QDR Switched Network Express Module (IB-QNEM).

Operating System Support

Only Sun blades servers with Linux OS are currently supported with the IB-QNEM.

Ethernet Port Availability

Both the IB-QNEM P0 and P1 Ethernet ports are available for a Sun Blade X6275 server module. Only the P1 Ethernet port is available for a Sun Blade X6270 server module.

Ethernet Data Transmission Limitation

Data transmission on the 1-Gbps Ethernet ports is limited to 60 meters.

Known Issues

This section describes the known issues and workarounds at the time of this release.

IB Links on the IB Dual Port 4x DDR PCIe Fabric Expansion Modules Are Lost (CR 6777849)

When the IB-QNEM is power-cycled or hot-plugged, all the IB links on the two IB dual port 4x DDR PCIe Fabric Expansion Modules (FEMs) plugged into Sun Blade X6270 Server Module will be lost.

Workaround: Reboot the Sun Blade X6270 Server Module after power-cycling or hot-plugging the IB-QNEM.

show full_serial_no Command Splits the Serial Number for the IB-QNEM (CR 6804457)

When using the ILOM IB-QNEM CLI tool, the `show full_serial_no` command splits the complete serial number for the IB-QNEM between the `S/N` and `full_serial_no` fields.

Using the ILOM QNEM CLI tool, the `show full_serial_no` command will produce output similar to the following:

```
-> show full_serial_no

NEM1
Targets:

Properties:
full_serial_no = 0110SJC-0904
```

The `show S/N` command will produce output similar to the following:

```
-> show S/N

NEM1
Targets:
```

```
Properties:  
S/N = CA0036
```

Workaround: To obtain the complete serial number, concatenate the values in the `full_serial_no` and `S/N` fields. For the example above the full serial number would be 0110SJC-0904CA0036

Alternatively, use the `ipmitool fru print` command which will produce output similar to the following:

```
Board Product: ASSY,SB6048 QDR NEM  
Board Serial: 0110SJC-0904CA0036  
Board Part Number: 541-3378-01
```

The full serial number would be 0110SJC-0904CA0036. Please check for the availability of a patch for this defect

Locate Button Functionality Is Not Implemented (CR 6800394)

The Locate LED will neither turn on (if off) nor turn off (if on) when the Locate button is pressed on the IB-QNEM.

Workaround: There is no workaround. Please check for the availability of a patch for this defect.

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