



Appendix – Device Management Feature Support

The following table describes the management features available on supported devices.

Feature	10 Gb Ethernet Gateway Module	Grid Director 4700/4200/4036/4036E v3.5	Managed IS5000 Switchesv	Managed SX6000 Switches	Externally Managed IS5000 / SX6000 Switches	Gateway BX5020	HP C-Class	Linux Hosts	Windows Hosts
Discovery									
IB L2 Discovery	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Advanced Discovery (IP, hostname, Hosts: CPU, memory, FW version)	Yes	Yes	No	Yes	No	No	No	Yes with UFM Host Agent	No
Ethernet access Management interface	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes
Provisioning/ Configuration									
IB Partitioning (pkey)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Feature	10 Gb Ethernet Gateway Module	Grid Director 4700/4200/4036/4036Ev3.5	Managed IS5000 Switchesv	Managed SX6000 Switches	Externally Managed IS5000 / SX6000 Switches	Gateway BX5020	HP C-Class	Linux Hosts	Windows Hosts
QoS: SL (SM configuration)	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QoS: Rate Limit (SM configuration)	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Interface/VIF Configuration (IP, hostname, mtu, Bonding)	N/A	N/A	N/A	N/A	N/A	No	N/A	Yes with UFM Host Agent	No
Device Monitoring									
Device Resources : CPU, Memory, Disk	No	Yes	No	No	No	No	No	Yes with UFM Host Agent	No
Get device alerts (Temperature, PS, Fan) Note: This feature is	Yes	Yes	No	Yes	Yes	No	No	No	No

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not supported on Switch-X switches.									
L1 (Physical Port) – Monitoring	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L2-3 (Interface/VIF) – Monitoring	No	No	No	No	No	No	No	Yes with UFM Host Agent	No
Congestion Monitoring per port (enables congestion map)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Congestion Monitoring per flow (Advanced Package)	No	Yes	No	No	No	No	No	No	No

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Device Management									
Add/remove to/from Rack	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Add/remove to/from Logical Server	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	Yes
View/clear Alarms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSH terminal to device	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes
Power On	No	No	No	No	No	No	No	Yes with IPMI	No
Reboot	No	No	No	Yes (SX3606 only)	No	No	No	Yes with IPMI	No
Shutdown	No	No	No	No	No	No	No	Yes with IPMI	No
Port Enable/Disable	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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Firmware Upgrade (HCA & switch)	No	Yes	No	Yes (Upon SW upgrade - SX6036 only)	No	No	No	Yes	No
Inband Firmware Upgrade (over InfiniBand connection)	No	No	No	No	Yes	No	No	Yes	Yes
Software Upgrade (OFED & switch)	No	Yes	No	Yes (SX3606 only)	No	No	No	Yes with UFM Host Agent	No
Protocols									
Communication UFM Server - Device	IB/SNMP	IB/UDP/SSH	IB	IB/HTTP/SSH	IB	IB	IB	IB, SSH, IPMI, UDP	IB

1. For a full list of supported IS5000 switches, see [Supported IS5000 Switches](#).
2. QoS Rate Limit (SM configuration): On ConnectX HCAs-only, for hosts.

3. XmitWait counter monitoring requires ConnectX HCAs with firmware version 2.6 and above.

4. This feature requires that the IP address is configured.

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