



MELLANOX Unmanaged Switch Management Service

Target Audience

Mellanox customers and partners that use unmanaged FDR and EDR switches.

1 The Unmanaged Switch management service

The Mellanox product portfolio includes both managed and unmanaged switches. Managed switches give you more control over your LAN traffic and offer advanced features to control that traffic. Unmanaged switches simply allow Ethernet devices to communicate one with each other. They are shipped with a fixed configuration and do not allow any changes to this configuration.

Managed switches provide all the features of an unmanaged switch and provide the ability to configure, manage, and monitor your network. And this gives you greater control over how data travels over the network and who has access to it. Also, managed switches use protocols such as the Simple Network Management Protocol, or what we call SNMP, for monitoring the devices on the network. SNMP is a protocol that facilitates the exchange of management information between network devices. SNMP queries can determine the health of the network or the status of a particular device.

The Mellanox new service enables you to monitor your Mellanox's unmanaged switch enable.

Mellanox unmanaged switches are plug and play out of the box and don't come with a management CPU. This makes it more challenging to monitor them. This service provides the ability to retrieve hardware information from managed/unmanaged InfiniBand SX and EDR switches.

Deliverables:

- Unmanaged switch monitoring tool (RPM) CLI
- Mellanox Installation and Integration into existing network management system
- Customer support
- Unmanaged switch problem report and Email alert

Unmanaged switch monitoring Information

- Current switch temperature (Celsius)
- Max switch temperature since the last reset
- System Power Supply Status
- Fans Speed (Rounds Per Minute)

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Mellanox Technologies Inc.

```
[root@mtlae07 unlicensed_versions]# ibswitches
Switch : 0x7cfe9003009ea930 ports 36 "SwitchIB Mellanox Technologies" base port 0 lid 2 lmc 0
[root@mtlae07 unlicensed_versions]# manage_the_unmanaged 2
=====
Temperature Status (Celsius)
=====
Current temperature           : 33
Max temperature (since last reset) : 35
Overtemp warning threshold low  : 95
Overtemp warning threshold high : 105
=====
System Power Supply Status
=====
PSU0 Information:
Present           : Present, field replaceable
DC status         : DC Power OK

PSU1 Information:
Present           : Present, field replaceable
DC status         : DC Power OK
=====
Fan Speed (Rounds Per Minute)
=====
Fan #1 speed      : 6385
Fan #2 speed      : 5421
Fan #3 speed      : 6155
Fan #4 speed      : 5442
Fan #5 speed      : 6385
Fan #6 speed      : 5421
Fan #7 speed      : 6355
Fan #8 speed      : 5421
```

```
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```

2 Payment model

The tool is silence based (one time)

Manage the unmanaged switches	
WW part number	GPS-MNG-UNMGM-1
Format	License, per switch
Geographical Availability	Worldwide

For more information about availability, pre-requisites and pricing, contact Mellanox Services department at services-sales@mellanox.com.