

Part 1. Disguise Fabric network switch

1.01 Control Hardware

A. General

- The product is a preconfigured network switch that is built to connect Disguise media servers using 100Gb networking
- The product has been configured to support a total of 7x 100GbE network ports located on the left of the network switch, and a total of 8x 100GbE network ports on the right of the network switch
- The product shall have Port 1 configured to 1GbE so that it can be connected to a PTP Grandmaster
- The network switch shall support connection to multiple systems together from its one control interface software.

B. Mechanical

- The network switch shall be a black metal enclosure, 1U 19" rack mount.
- The network switch shall operate in a temperature range of 0 - 40°C (32 - 104°F).
- The network switch shall operate in a humidity range of 10 - 85% non condensing.
- The network switch shall operate at an altitude range of 0 - 3050m (0 - 10,000 ft).

C. System Connectivity

- The network switch shall have a connector cage that supports up to 16x QSFP28
- The network switch shall support QSFP28 and SFP28 short and long range optics
- The network switch shall support QSFP28 to QSFP28 DAC and fiber cables
- The network switch shall optionally support QSFP28 breakout cables to 4x 25GbE DAC
- The network switch shall have a management port

D. Electrical

- The network switch shall have a throughput of 3.2TB/s
- The network switch shall be able to support speeds of 1/10/25/40/50 and 100GbE per port
- The network switch shall be powered via a worldwide (100-240V AC) auto ranging internal power supply.

2.01 Software

- The network switch shall be based upon Mellanox Onyx.

- The network switch shall be able to be synchronised with Disguise media servers to support RenderStream.

3.01 Accessories

- The network switch shall be supported with the following items within the shipping container:
 - Rack mount kit
 - Quick start guide
 - 2x IEC C13 to C14 power cables

4.01 Service, Documentation & Training

- The network switch shall be covered by a 2 year return to base hardware warranty, extendable to 5 years with an extended warranty package.
- The network switch shall be supplied with free technical support via phone or email.
- Documentation shall be provided via printed and online formats.
- An online knowledge base shall be provided for the network switch.