QUICK-START GUIDE

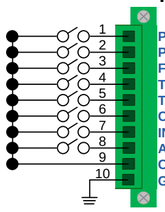
As used with *Thinklogical's*™ Q-4300 Video Extension System

router VX160

KVM Matrix Switch

Powered by MRTS Technology

The VX160 Router Critical Hardware Alarms: (Located at the top, left rear of the unit.)



POWER SUPPLY 1 (LEFT): *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption* and *module removed*
POWER SUPPLY 2 (RIGHT): *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption* and *module removed*
FANS: *Individual fan monitoring*
TEMPERATURE WARNING: *Chassis over temperature, multiple sensors*
TEMPERATURE SHUTDOWN: *Chassis over temperature causing shutdown*
CPU: *Card failure (Only with a redundant card)*
INPUT/OUTPUT CARDS: *SFP+ failure, laser output fault*
ANY OF THE ABOVE
COMMON
GROUND

Thinklogical's Q-4300 Chassis can accommodate four modules in any combination of Transmitter, Receiver or both. The Q-4300 Chassis will also accommodate SDIXtreme 3G+ Transmitter and Receiver Modules. Ask your sales representative for more information or visit us on the web at www.thinklogical.com

STEP 9: Connect both supplied AC Power Cords (PWR-0000056-R) to the receptacles located on the VX**160**'s power supplies. Plug each one into a standard AC source. *Verify that all system functions are operating properly.*

STEP 8: Connect the **Controller Cards' LAN Ports** to your Controller CPU with CAT5 cables. (CPU IP address: **192.168.13.9)**

Thinklogical's™ **VX160 KVM Matrix Switch** features redundant Power Supplies and Controller Modules for uninterrupted performance, even during system reconfiguration, updates or debug. The **VX160** remains fully functional with only one Power Supply installed or with one Controller activated.
NOTE: *When using a single Controller, the module on the left (Primary) must be used.*

External Control CPU

Network Hub

Primary Controller Card IP Address: **192.168.13.15**

Optional Secondary Controller Card IP address: **192.168.13.16**

STEP 4: Connect your **Q-4300 Transmitter Modules** to the VX**160** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any Receive Port and **L2** to the same numbered Transmit Port. Do the same for each of the four Transmitter modules.

L1: Data TX to RX and Video
L2: Data RX to TX

Q-4300: 4 Transmitter Modules

STEP 1: Connect your **Q-4300 Receiver Modules** to the VX**160** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any Transmit Port and **L2** to the same numbered Receive Port. Do the same for each of the four Receiver modules.

STEP 2: Install the **Right Power Supply Module** AC Power Cord (Left receptacle) and the **Left Power Supply Module** AC Power Cord (Right receptacle). Plug both Receiver AC Cords into a standard AC source. On the front of the chassis, turn ON the Right and Left Power Supply Modules.

Q-4300: 4 Receiver Modules

DVI IN Module 1
DVI IN Module 2
DVI IN Module 3
DVI IN Module 4

Source CPU

Local DVI OUT Module 1
Local DVI OUT Module 2
Local DVI OUT Module 3
Local DVI OUT Module 4

STEP 5: Install the **Right Power Supply Module** AC Power Cord (Left receptacle) and the **Left Power Supply Module** AC Power Cord (Right receptacle). Plug both Transmitter AC Cords into a standard AC source. On the front of the chassis, turn ON the Right and Left Power Supply Modules.

STEP 6: Connect a DVI IN cable from the Source CPU to the DVI IN ports of each Transmitter Module. If desired, connect a local monitor to each of the Transmitters' DVI OUT ports with a standard DVI cable. *Ensure the CPU is turned ON.*

STEP 7: If stereo 3-D molecular visualization on your desktop is desired, connect the Stereo OUT from the CPU to the Transmitter Module's STEREO INPUT. Connect a 3-D Active Stereo Emitter to the STEREO OUT receptacle on the Receive module.

DVI OUT DDC Module 1
DVI OUT DDC Module 2
DVI OUT DDC Module 3
DVI OUT DDC Module 4

STEP 3: Connect a monitor to each of the DVI OUT DDC ports with a standard DVI cable. A second, non-DDC monitor may also be connected to each modules' DVI OUT port.

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Q-4300_Single-Link_VX160_Rev_A