Important Note

To obtain a copy of the owner's manual for your B022-U08-IP or B022-U16-IP KVM, please contact Product/Technical Support – (773) 869-1234. You will need to have the serial number for your product at the time of the call. Should you experience any inconsistencies in upgrading firmware or lengthy load times, please contact the Product/Tech Support team.

NetDirector 8-Port 1U Rack-Mount IP KVM Switch, TAA

MODEL NUMBER: **B022-U08-IP**

Description

The B022-U08-IP NetDirector® IP KVM Switch allows secure access to multiple computers from a single KVM (keyboard, monitor and mouse) console. A single KVM can directly control up to eight computers. Daisy-chain up to 31 additional B022-U08 switches to control up to 256 computers.

Built-in IP access allows the B022-U08-IP to be accessed from any computer on the LAN, WAN or Internet, whether that computer is located down the hall or halfway around the world. Simply log on via web browser using the Windows- and Java-based browser clients, or access the KVM without a browser using the included Windows- and Java-based non-browser applications. Remote authentication is also supported via RADIUS and LDAP/S.

A full-screen graphical OSD with multi-level authentication (Super Administrator, Administrator and User) allows you to quickly and efficiently manage your installation, and can be displayed in English, Spanish, French, German and Japanese. Critical events on the installation can be tracked via the Log in the web interface, or the included Windows-based Log Server can be installed for more robust tracking.

Once a remote session is initiated, you will be able to control the connected computers as if they were physically connected to your keyboard, monitor and mouse. You can manually switch between computers using keyboard hotkeys, the remote session toolbar or the KVM's OSD interface, or you can automatically scan through each port using Auto Scan or Panel Array modes.

Constructed of heavy-duty steel housing. The B022-U08-IP includes two six-foot USB/PS2 combo KVM cable kits. All other cable kits can be ordered separately.

Features

- 1U Rackmount KVM Switch with built-in IP access.

- Connect either USB or PS/2 computers using P778-Series USB/PS2 Combo KVM Cable Kits – no need for separate cable kits.

- Control up to 8 computers on a single KVM switch.

- Daisy-chain up to 31 additional B022-U08 switches to control up to 256 computers.

- Remotely access computers via LAN, WAN or Internet via the Windows™ or Java browser clients.

- AP Windows and Java non-browser applications allow the KVM to be remotely accessed via the

Highlights

- Directly control up to 8 computers on a single KVM switch or up to 256 computers as part of a daisy-chain

- Remotely access computers via LAN, WAN or Internet via the Windows or Java browser clients

- Supports both IPv4 and IPv6

- Supports RADIUS and LDAP/S authentication

- 3-level security (Admin, User and Select) – up to 64 accounts can be created

- Compatible with all major operating systems

System Requirements

External Console
- A VGA, SVGA or MultiSync monitor capable of displaying the highest resolution provided by any computer in the installation.

- PS/2 or USB keyboard and mouse.

Computers
- A VGA, SVGA or MultiSync video graphics card with an HD15 port.

- Either a PS/2 or USB keyboard/mouse ports.

- Compatible with all major operating systems.

Remote Console
- For best results, computers that remotely access the KVM switch should have at least a Pentium III 1GHz processor.

- Users who want to access the KVM switch with the Windows client must have DirectX 8.0 or higher installed. DirectX is available for free download from Microsofts website.

- Users who want to access the KVM switch with the Java client must have Sun's Java 6 (update 3 or higher) runtime environment installed. Java is available for free download from the Java website.

- For best results, a network transfer speed of at least

network without going through a browser.

- External USB 1.1 port allows USB peripheral devices to be shared amongst connected computers.
- Grayscale feature allows you to view remote sessions in black and white, reducing the amount of data traveling over the network and improving keyboard/mouse response time over IP.
- Web management interface, OSD and toolbars provide convenient, user-friendly operation.
- 3-level security (Admin, User and Select) – up to 64 accounts can be created.
- Panel Array Mode – remotely monitor multiple ports at the same time.
- Message board feature allows users who are logged in at the same time to communicate with each other and manage port access.
- CD includes a Windows-based log server that records events on the installation and writes them to a searchable database.
- Supports RADIUS and LDAP/S authentication.
- Flash firmware upgradable via network and included firmware upgrade cable.
- Supports both IPv4 and IPv6.
- Supports Link Local IPv6 Address and IPv6 Stateless Auto configuration protocol.
- Web Management Interface, Remote OSD and Local OSD can be displayed in English, Spanish, French, German and Japanese.
- Advanced encryption technologies: 128-bit SSL, 128-bit RC4, 1024-bit RSA, 56-bit DES, 256-bit AES, 168-bit 3DES.
- Video resolutions up to 2048 x 1536, DDC2B are supported at the local console. Video resolutions up to 1600 x 1200 @ 60Hz, 24-bit color depth are supported at the remote console.
- Compatible with all major operating systems.

128Kbps is recommended.

- Browsers must support 128-bit data encryption.
- To run the Log Server, you must have the Microsoft Jet OLED8 4.0 (or higher) driver installed.

Supported Web Browsers
- Internet Explorer 6 and higher
- Firefox 1.5 and higher
- Mozilla 1.7 and higher
- Safari 4.0 and higher
- Opera 9.0 and higher
- Netscape 8.1 and higher

Package Includes
- B022-U08-IP IP KVM Switch
- (x2) 6 ft. USB/PS2 Combo KVM Cable Kits
- USB/PS2 Combo Console Cable Kit
- RJ11 to DB9 Firmware Upgrade Cable
- Rackmount Hardware
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A Output: 5.3V, 2.4A)
- Rubber Feet
- Quick Start Guide

Specifications

OVERVIEW	
UPC Code	037332177049
Max CPU	8
Technology	PS/2; VGA/SVGA

VIDEO	
Number of Monitors Supported	1
Max Supported Video Resolution	Up to 2048 x 1536, DDC2B are supported at the local console. Video resolutions up to 1600 x 1200 @ 60Hz, 24-bit color depth are supported at the remote console.
Max Number of Ports (Entire Chain)	64
Extended Mode	No
Mirror Mode	No

INPUT	
AC Power Adapter Plug(s)	NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.5A
AC Power Adapter Output Specs (V / A)	5.3V / 2.4A
AC Power Adapter Cord Length (ft.)	5
AC Power Adapter Cord Length (m)	1.5
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 120V AC; 127V AC; 200V AC; 208V AC; 220V AC; 230V AC; 240V AC
Voltage Compatibility (VAC)	110-240
Input Frequency	50/60Hz
Input Current	100-240V (0.5A)

OUTPUT	
Frequency Compatibility	50 / 60 Hz

POWER	
Power Source Type	AC Adapter

CONNECTIONS	
Number of Ports	8
Computer/Server Ports	SPHD-18 (VGA, PS/2, USB)
Daisy-Chain Port	Yes
Firmware Upgrade Port	Yes
PC/Server Connections	PS/2; USB; VGA
Side A - Connector 1	(8) HD18 (FEMALE)
Side B - Connector 1	(1) HD18 (FEMALE)
Side B - Connector 2	(1) DB25 (MALE)
Side B - Connector 3	(1) RJ45 (FEMALE)
Side B - Connector 4	(1) RJ11 (FEMALE)
Side B - Connector 5	(1) USB A (FEMALE)
Computer Keyboard and Mouse Interface	PS/2; USB
Computer Monitor Interface	HD15; VGA
Console Keyboard and Mouse Interface	PS/2; USB
Console Monitor Interface	VGA

USER INTERFACE, ALERTS & CONTROLS	

LED Indicators	(x8) ONLINE (ORANGE), (x8) SELECTED (GREEN), POWER (BLUE), STATION ID, 10MBPS / 100MBPS (ORANGE / GREEN), REMOTE ACCESS (GREEN)

PHYSICAL

Color	Black
Material of Construction	Metal
Housing Color	Black
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	9.10 x 21.40 x 4.60
Shipping Dimensions (hwd / cm)	23.11 x 54.36 x 11.68
Shipping Weight (lbs.)	7.80
Shipping Weight (kg)	3.54
Unit Dimensions (hwd / in.)	1.750 x 17.000 x 6.000
Unit Dimensions (hwd / cm)	4.39 x 43.18 x 15.24
Unit Packaging Type	Box
Unit Weight (lbs.)	6.1
Unit Weight (kg)	2.77

ENVIRONMENTAL

Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Relative Humidity	0-80% non-condensing
Operating Temperature	32° to 122°F (0° to 50°C)
BTUs	DC5.3V 7.67W / 55BTU

COMMUNICATIONS

Hotkey	Yes
Port Control	Push Buttons, Hotkeys, OSD, Remote Toolbar
IP Remote Access	Yes
Network Compatibility	480 Mbps

PORT EXPANSION

Daisy-chainable or Cascadable	Daisychainable

FEATURES & SPECIFICATIONS

USB Specification	USB 2.0 (up to 480 Mbps)
NIAP-Certified Secure	No
Number of Users	1

Autoscan (Y,N)	Y
On-Screen Display (OSD)	Yes
Port Selection	Hotkey; OSD; Pushbutton
Driver Required	Yes
Authentication Supported	LDAP; LDAPS; RADIUS
Autoscan Duration	1-255 Seconds
STANDARDS & COMPLIANCE	
External Power Supply Certifications	FCC; PSE; UL; cUL
Product Certifications	UL Listed
Product Compliance	RoHS; CE (Europe); FCC (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty