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. 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 16-Port 1U Rack-Mount IP KVM Switch

MODEL NUMBER: **B022-U16-IP**







Control up to 16 computers or servers directly from anywhere in the world via LAN, WAN or the Internet with built-in IP remote access.

Description

The B022-U16-IP NetDirector® 16-Port 1U Rack-Mount IP KVM Switch is the smart solution for controlling up to 16 computers or servers from one monitor, keyboard and mouse, all from the next room, next door, or the next continent. Daisy-chain up to 31 additional B022-U08 switches to control up to 264 computers. The B022-U16-IP takes up just 1U of rack space and works with all major operating systems. Built-in IP access allows you to control computers via LAN, WAN or the Internet. Just log on to a Web browser using the Windows- or Java-based browser client, and navigate the user-friendly interface in English, Spanish, French, German or Japanese. You can also access the KVM Switch without a browser if you prefer.
The advanced on-screen display (OSD) supports high-definition video up to 2048 x 1536 at the local console and up to 1600 x 1200 @ 60 Hz with 24-bit color depth at the remote console. Panel Array Mode allows you to remotely monitor multiple ports at the same time. Compatible with both USB and PS/2 connections using the included cable kits, the KVM Switch allows you to select a connected computer using on-console pushbuttons or keyboard hotkey commands. It also supports both IPv4 and IPv6, as well as Link Local IPv6 Address and Stateless Auto Configuration protocol.
Advanced encryption technologies, such as 128-bit SSL, 128-bit RC4, 1024-bit RSA, 56-bit DES, 256-bit AES and 168-bit 3DES, keep your important data secure. The KVM Switch supports RADIUS and LDAP/S remote authentication. Three levels of security allow you to delegate proper access to approved personnel, and you can create up to 64 separate accounts.

Features

Complete Control from Anywhere

- Built-in IP access lets you control up to 16 computers directly from the next room, next door, or the next continent
- Remotely access computers via LAN, WAN or the Internet via Windows or Java
- Windows- and Java-based non-browser applications provide access without a browser
- Advanced on-screen display supports high-definition video up to 2048 x 1536 at the local console and up to 1600 x 1200 (@ 60 Hz) at the remote console

Highlights

- Built-in IP access from anywhere in the world
- Daisy-chain up to 31 additional B022-U08 switches to control up to 264 computers
- Works with all major operating systems
- Compatible with both USB and PS/2 connections
- Enables up to 64 secure user accounts
- Space-saving 1U rack-mount installation

System Requirements

External Console

- VGA, SVGA or MultiSync monitor
- PS/2 or USB keyboard and mouse

Computers

- VGA, SVGA or MultiSync video graphics card with HD15 port
- PS/2 or USB keyboard/mouse ports
- Any major operating system

See owner's manual for requirements for IP remote access.

Package Includes

- B022-U16-IP NetDirector 16-Port 1U Rack-Mount IP KVM Switch
- (2) USB/PS2 Combo KVM cable kits, 6-ft. length
- USB/PS2 Combo console cable kit
- RJ11-to-DB9 firmware upgrade cable
- Mounting hardware
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.5A / Output: 5.3V, 2.4A)
- Rubber feet
- CD with owner's manual and device files
- Quick Start Guide

- Panel Array Mode – remotely monitor multiple ports at the same time.

Built-In Security to Keep Your Data Safe
- Create up to 64 separate accounts
- 3 levels of security (Admin, User and Select) allow you to delegate proper access
- Features advanced encryption technologies, such as 128-bit SSL, 128-bit RC4, 1024-bit RSA, 56-bit DES, 256-bit AES and 168-bit 3DES
- Supports RADIUS and LDAP/S remote authentication
- LEDs built into the port-selection pushbuttons indicate when a computer is connected, powered on and selected
- Included firmware upgrade cable keeps the software up to date

Versatile to Meet Your Specific Needs
- Increase the number of connected computers up to 264 by daisy-chaining up to 31 B022-U08 KVM switches
- Compatible with all major operating systems
- User-friendly web management interface can be displayed in English, Spanish, French, German and Japanese
- Included cable kits let you use either USB or PS/2 keyboards and mice
- View remote sessions in black and white, reducing the amount of data traveling over the network and improving keyboard/mouse response time over IP
- Supports both IPv4 and IPv6, as well as Link Local IPv6 Address and IPv6 Stateless Auto Configuration protocol

Keep Your Colleagues in the Loop
- Windows-based log server records events and saves them to a searchable database
- Users who are logged in simultaneously can communicate via message board and manage port access

Rack-Mounted Convenience
- Mounts into just 1U to save valuable cabinet or rack space
- Rugged steel housing and premium connectors built to last

Specifications

OVERVIEW	
UPC Code	037332188045
Max CPU	16
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)	128
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
POWER	
Power Source Type	AC Adapter
CONNECTIONS	
Number of Ports	16
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	(16) HD18 (FEMALE)
Side B - Connector 1	(1) HD18 (MALE)
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)
PHYSICAL	
Color	Black
Material of Construction	Metal
Rackmountable	No
Shipping Dimensions (hwd / in.)	9.20 x 21.30 x 4.60
Shipping Dimensions (hwd / cm)	23.37 x 54.10 x 11.68
Shipping Weight (lbs.)	7.00
Shipping Weight (kg)	3.18
Unit Dimensions (hwd / in.)	1.730 x 17.000 x 6.300
Unit Dimensions (hwd / cm)	4.39 x 43.18 x 15.24
Unit Weight (lbs.)	6.50
Unit Weight (kg)	2.95

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% to 80% RH, Non-Condensing
Operating Temperature	32° to 122°F (0° to 50°C)
BTUs	DC5.3V 9.20W/ 58BTU
COMMUNICATIONS	
Hotkey	Yes
Port Control	Push Buttons, Hotkeys, OSD, Remote Toolbar
IP Remote Access	Yes
Network Compatibility	480 Mbps
FEATURES & SPECIFICATIONS	
Number of USB Hub Ports	1
USB Specification	USB 2.0 (up to 480 Mbps)
NIAP-Certified Secure	No
Number of Users	1
Autoscan (Y,N)	Y
Autoscan Duration	1 - 255 seconds
STANDARDS & COMPLIANCE	
External Power Supply Certifications	FCC; PSE; UL; cUL
Product Compliance	Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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