Important Note

To obtain a copy of the owner's manual for your B020-U08-19-IP or B020-U16-19-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 Console IP KVM Switch with 19 in. LCD

MODEL NUMBER: **B020-U16-19-IP**



Control a network of 16 servers or computers directly from one keyboard, mouse and monitor housed in 1U of rack space. Built-in IP access allows control from anywhere via LAN, WAN or Internet.

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
- Panel Array Mode allows remote monitoring of multiple ports at the same time
- Windows- and Java-based applications provide access without a browser
- Advanced on-screen display supports video resolutions up to 1280 x 1024 (@ 75 Hz) at the built-in 19-inch monitor and up to 1600 x 1200 (@ 60 Hz) at the remote console

Built-In Security to Keep Your Data Safe

- 3 levels of security (Admin, User and Select) allow you to delegate proper access
- Create up to 64 separate user accounts
- Features advanced encryption technologies, such as 512-bit RSA, 256-bit AES, 56-bit DES, 168-bit 3DES, 128-bit RC4 and 128-bit SSL
- Supports RADIUS and LDAP/S remote authentication
- LEDs 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 B020-U08 KVM switches.
- Compatible with all major operating systems

Highlights

- Controls up to 16 computers remotely via LAN, WAN or Internet
- Installs in just 1U to save rack space
- Works with all major operating systems and browsers
- Protects data with 3 security levels (Admin, User and Select)
- Enables up to 64 secure user accounts

System Requirements

- Any major operating system
- Any major web browser
- Pentium III 1 GHz processor
- DirectX 7.0 or higher (Windows) or Java 2 1.4.2 or higher (Java)
- Network transfer speed of 128 Kbps or higher
- HD15 port
- USB or PS/2 keyboard/mouse ports

Package Includes

- B020-U16-19-IP NetDirector 16-Port 1U Rack-Mount Console IP KVM Switch
- (2) P778-Series USB/PS2 combo KVM cable kits, 6-ft. (1.83 m)
- USB/PS2 combo external console cable kit
- Grounding wire
- RJ11 to DB9 firmware upgrade cable
- C13 to NEMA 5-15P power cord
- Mounting hardware
- CD with Owner's Manuals and device files

- User-friendly web management interface can be displayed in English, Spanish, French, German or Italian
- Included P778-Series cable kits let you use either USB or PS/2 keyboards and mice
- Supports both IPv4 and IPv6, as well as Link Local IPv6 Address and IPv6 Stateless Auto Configuration protocol
- External USB 1.1 port lets you add a flash drive or card reader to share external data among connected computers

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
- LCD folds down so the unit mounts into just 1U of rack space
- Mounts in racks from 26 in. to 38 in. deep
- Rugged steel housing and premium connectors built to last
- Console locks into place when not in use to prevent sliding out of the rack

Specifications

OVERVIEW	
UPC Code	037332188052
Max CPU	16
Technology	PS/2; VGA/SVGA
VIDEO	
Number of Monitors Supported	1
Max Supported Video Resolution	Up to 1280 x 1024 (@75 Hz) at the built-in 19-inch monitor and up to 1600 x 1200 (@ 60 Hz) 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 / 1A
AC Power Adapter Cord Length (ft.)	6
AC Power Adapter Cord Length (m)	1.8
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 115V AC; 120V AC; 127V AC; 140V AC; 200V AC; 208V AC; 220V AC; 230V AC; 240V AC
Recommended Electrical Service	100-250V
Maximum Input Amps	1
Input Frequency	50/60Hz

Input Current	120V (0.8A) / 230V (0.4A)
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	(2) RJ45 (FEMALE)
Side B - Connector 4	(2) USB A (FEMALE)
Side B - Connector 5	(1) RJ11 (FEMALE)
PHYSICAL	
Color	Black
Material of Construction	Metal; Plastic
LCD Monitor (cm)	48.26
LCD Monitor (in.)	19
Rackmountable	No
Shipping Dimensions (hwd / in.)	5.40 x 26.75 x 32.75
Shipping Dimensions (hwd / cm)	13.72 x 67.94 x 83.18
Shipping Weight (lbs.)	40.30
Shipping Weight (kg)	18.28
Unit Dimensions (hwd / in.)	1.730 x 17.000 x 27.100
Unit Dimensions (hwd / cm)	4.39 x 48.00 x 68.58
Unit Weight (lbs.)	31
Unit Weight (kg)	14.06
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	30.8 BTUs at 120Vac/ 31.8 BTUs at 220Vac

COMMUNICATIONS	
Hotkey	Yes
Port Control	Push Buttons, Hotkeys, OSD, Remote Toolbar
IP Remote Access	Yes
Network Compatibility	1000 Mbps
FEATURES & SPECIFICATIONS	
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	
Product Certifications	EN 60950-1; CAN/CSA C22.2; UL 60950-1
Product Compliance	RoHS; CE (Europe); FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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