



# NetDirector 16-Port 1U Rack-Mount Console KVM Switch with 19-in. LCD + 8 PS2/USB Combo Cables. TAA

# MODEL NUMBER: B020-U16-19-K





Control up to 16 computers with a single KVM switch with integrated console. This KVM switch is a smart solution for secure and centralized server control that saves rack space and money.

#### **Features**

# **Saves Space and Money**

- Combines a 16-port KVM switch, 19" LCD screen, full keyboard and touchpad in a 1U rack-mountable drawer
- Mounts into 19"-wide rack, 26"-38" deep
- Gives you control of up to 16 servers from a single, easily accessible console ideal when rack space is at a premium
- Includes eight P778-Series cables that support computers with either PS/2 or USB connections
- Flip-up/fold-down screen keeps the console from blocking access to rack equipment when not in use
- · Eliminates need to buy costly separate monitors, keyboards and mice for each computer/server

## Simplifies IT Tasks

- Switch easily between the 16 ports via on-console buttons, on-screen display or hot keys; OSD can be set to English, Spanish, French, German or Japanese
- Hot pluggable; add or remove computers without having to power down the switch
- Auto-scan mode automatically sequences through all active ports that are accessible to the user

# Large 19" LCD

- Extra-wide display makes multitasking easier
- Supports video resolutions up to 1280 x 1024
- DDC emulation allows the video settings of each computer to be automatically adjusted for optimal output to the LCD

# **Multi-Level Password Security**

- Enhances security by limiting access to an administrator and up to 4 local users
- Two-level log-out allows for manual log-out or automatic log-out after a user-defined period of time has

# **Highlights**

- Occupies just 1U of space in a rack-mountable drawer
- 19" LCD screen supports video resolutions up to 1280 x 1024
- Simplifies IT tasks with easy switching between all 16 ports
- Provides 2-level password security (administrator and user)
- Combo cables (included) connect to PS/2 or USB servers

## **System Requirements**

- Computer with HD15 port, and USB port or PS/2 keyboard/mouse ports
- P778-006 USB/PS2 combo KVM cable kit is required for each connected computer/server
- Compatible with all major operating systems
- Power consumption: 120V, 60Hz, 28.5W; 230V, 50Hz, 29.1W

# **Package Includes**

- B020-U16-19-K 1U rackmount console KVM switch with 19" LCD
- (x8) P778-006 6-ft. (1.83 m) USB/PS2 combo KVM cable kits
- USB/PS2 combo console cable kit
- RJ11 to DB9 firmware upgrade cable
- C13 to 5-15P power cord
- · Grounding wire
- Rackmount hardware
- Quick start guide





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# **Future Expandability and Long-Lasting Reliability**

- Increase the number of connected computers up to 264 by daisy-chaining up to 31 B022-U08 KVM switches
- A console cable kit is included so you can connect the external console port to a keyboard, mouse or monitor, or a B051-000 IP Remote Access Unit
- An additional USB port on the front of the unit lets you connect an external USB mouse; a USB port is also available to share a peripheral such as a flash drive or external hard drive with all the connected servers
- Compatible with all major operating systems for easy integration into your existing structure
- Firmware is upgradable with included cable and utility
- Heavy-duty steel housing stands up to frequent use

# **Specifications**

| OVERVIEW                                  |  |  |
|---|--|--|
| UPC Code                                  | 037332150769   |  |
| Console                                   | Yes  |  |
| Max CPU                                   | 16   |  |
| Technology                                | PS/2; VGA/SVGA   |  |
| VIDEO                                     |  |  |
| Number of Monitors Supported              | 1  |  |
| Max Supported Video Resolution            | 1280 x 1024 @60Hz at the built-in 19-inch monitor and up to 2048 x 1536 @60Hz (external) |  |
| 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; 120V AC; 127V AC; 200V AC; 208V AC; 220V AC; 230V AC; 240V AC          |  |
| Input Frequency                           | 50/60Hz  |  |
| Input Current                             | 120V (1.2A) / 230V (0.7A)  |  |
| оитрит                                    |  |  |
| Frequency Compatibility                   | 50 / 60 Hz   |  |





| 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                  | HD18 (MALE)                 |  |
| Side B - Connector 2                  | (1) DB25 (MALE)             |  |
| Side B - Connector 3                  | (2) USB A (FEMALE)          |  |
| Side B - Connector 4                  | (1) RJ11 (FEMALE)           |  |
| Computer Keyboard and Mouse Interface | PS/2; USB                   |  |
| Computer Monitor Interface            | VGA                         |  |
| Console Keyboard and Mouse Interface  | PS/2                        |  |
| Console Monitor Interface             | VGA                         |  |
| PHYSICAL                              |                             |  |
| Color                                 | Black                       |  |
| Material of Construction              | Metal; Plastic              |  |
| Cable Jacket Color                    | Black                       |  |
| LCD Monitor (cm)                      | 48.26                       |  |
| LCD Monitor (in.)                     | 19                          |  |
| Rackmountable                         | No                          |  |
| Shipping Dimensions (hwd / in.)       | 5.00 x 26.10 x 32.50        |  |
| Shipping Dimensions (hwd / cm)        | 12.70 x 66.29 x 82.55       |  |
| Shipping Weight (lbs.)                | 42.00                       |  |
| Shipping Weight (kg)                  | 19.05                       |  |
| Unit Dimensions (hwd / in.)           | 1.750 x 19.000 x 27.000     |  |
| Unit Dimensions (hwd / cm)            | 4.45 x 43.18 x 68.58        |  |
| Unit Weight (lbs.)                    | 31.3                        |  |
| Unit Weight (kg)                      | 14.20                       |  |
| 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                                | 26.9 BTUs at 120Vac /27.9 BTUs at 220Vac   |  |
| COMMUNICATIONS                      |  |  |
| Hotkey                              | Yes  |  |
| Port Control                        | Push Buttons, Hotkeys, OSD   |  |
| IP Remote Access                    | No   |  |
| FEATURES & SPECIFICATIONS           |  |  |
| USB Specification                   | USB 2.0 (up to 480 Mbps)   |  |
| NIAP-Certified Secure               | No   |  |
| Number of Users                     | 1  |  |
| Autoscan (Y,N)                      | Υ  |  |
| Autoscan Duration                   | 1-255 Seconds  |  |
| STANDARDS & COMPLIANCE              |  |  |
| Product Certifications              | EN 60950-1; CAN/CSA C22.2; CAN/CSA-C22.2 No. 60950-1 (Canada); cUL Listed; UL 60950-1; UL Listed |  |
| Product Compliance                  | FCC Part 15 Class A (USA); RoHS; Trade Agreements Act (TAA)                                      |  |
| WARRANTY & SUPPORT                  |  |  |
| Product Warranty Period (Worldwide) | 1-year limited warranty  |  |

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