

# NetDirector 16-Port DisplayPort KVM Switch Console with 17 in. LCD, IP Remote Access, Dual Rail, 1U Rack-Mount, TAA

MODEL NUMBER: B030-DP16-17DIP



DisplayPort KVM switch allows complete remote access and control of 16 DisplayPort computers or servers using one monitor, keyboard and mouse.

## Features

### Connects 16 DisplayPort Computers or Servers to a Single Monitor, Keyboard and Mouse

This NetDirector® DisplayPort KVM switch combines a rack-mountable keyboard, 17-inch LCD, touchpad, built-in IP remote access and 16 DisplayPort inputs into a compact housing that occupies only 1U of rack space. Control, boot and reboot up to 16 DisplayPort computers or servers at the same time remotely 24/7. No adapters are needed for connecting DisplayPort-enabled equipment.

### Offers Both Local and Remote Control Options

From across the room, down the street or halfway around the globe, you can access and control up to 16 connected computers or servers from any computer via LAN, WAN or Internet. Easy to install and use, the B030-DP16-17DIP lets you handle complex problems without needing to be on-site, which saves money and time. It supports IPv4, IPv6, Link Local IPv6 Address and IPv6 Stateless Auto configuration protocols. You may set the IP address manually or have it automatically assigned via DHCP server (the default method). AP Windows- and Java non-browser client applications allow the KVM switch to be remotely accessed via the network without a browser.

### Saves Valuable Space and Keeps Your Operating Costs Low

All connected DisplayPort computers or servers share a single monitor, keyboard and mouse, which saves space in your rack or workspace. DDC emulation allows each computer's settings to adjust automatically for optimal screen output. Eliminating the cost of buying monitors, adapters, keyboards and mice for all 16 connected devices keeps your TCO (total cost of ownership) low.

### 17 in. LCD Supports Crystal-Clear 1080p Video

The dual-rail B030-DP16-17DIP supports high-definition video resolutions up to 1920 x 1080 (1080p) at 60 Hz. The wide display flips up to provide access to connected computers, making multitasking easier and more convenient, and folds down to prevent the console from blocking adjacent rack equipment when not in use. The LCD and the keyboard/touchpad are on separate rails, so the LCD can remain open while the keyboard/touchpad is stored out of the way, keeping the rack aisle clear.

### Switching Between Computers Is Fast and Easy

Use the on-console push buttons, keyboard hotkey commands or multi-lingual local console On-Screen Display (OSD) to quickly toggle between connected computers. You can also use the Auto Scan feature to scan all connected computers in five-second intervals automatically. Orange LEDs indicate which

## Highlights

- Allows remote access of computers from anywhere 24/7 via LAN, WAN or Internet
- 17 in. LCD with wide display supports HD video resolutions up to 1920 x 1080 @ 60 Hz
- Dual-rail design allows LCD to stay open while keyboard/touchpad slides into the rack
- Multiple levels of password protection prevent unauthorized access to servers
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Applications

Access and control, either locally or remotely, up to 16 computers and servers with DisplayPort video ports

## System Requirements

- Resolution settings of all connected displays must not exceed 1920 x 1080 @ 60 Hz
- DisplayPort graphics card
- USB keyboard/mouse ports
- Windows, macOS, Linux, UNIX or Novell operating system
- DisplayPort monitor and USB keyboard/mouse (optional external console)

## Package Includes

- B030-DP16-17DIP 16-Port DisplayPort KVM Switch Console
- (2) DisplayPort cables, 6 ft.
- (2) USB 2.0 A/B cables, 6 ft.
- RJ11 firmware upgrade cable
- C13 to NEMA 5-15P power cord
- Grounding wire
- CD with owner's manual
- Quick Start Guide



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computer is currently selected. Computers or servers can be quickly added or removed without having to power down the KVM switch. Also features a USB 1.1 hub port on the front of the console for the connection of a USB peripheral device such as a flash drive or external mouse.

#### Multi-Level Password Security Keeps Your Private Data Private

The B030-DP16-17DIP offers three levels of password protection (super administrator, administrator and user) to prevent unauthorized persons from gaining access to connected servers/computers. Up to 64 users can be authorized and 32 remote users logged on concurrently. Remote authentication support is provided via RADIUS, LDAP, LDAPS and MS Active Directory. The B030-DP16-17DIP also incorporates advanced encryption technologies: 56-bit DES, 168-bit 3DES, 256-bit AES, 128-bit RC4, 128-bit SSL and 1024-bit RSA.

#### Long-Lasting Reliability and Compatibility

This DisplayPort KVM switch mounts easily into 1U of space in an EIA-standard 19-inch rack with the included brackets (optional B019-000 – sold separately – allows mounting in a 2-post rack). The B030-DP16-17DIP is compatible with all major operating systems, including Windows and macOS, for simple integration into your existing structure. Mac/Sun keyboard emulation also is supported. The RJ11 port allows you to upgrade the KVM switch's firmware using the included cable.

#### TAA-Compliant for GSA Schedule Purchases

The B030-DP16-17DIP is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

## Specifications

| OVERVIEW                                  |                                                         |
|-------------------------------------------|---------------------------------------------------------|
| UPC Code                                  | 037332258717                                            |
| Max CPU                                   | 16                                                      |
| Technology                                | DisplayPort                                             |
| VIDEO                                     |                                                         |
| Number of Monitors Supported              | 1                                                       |
| Max Supported Video Resolution            | 1920 x 1080 (including 1080p) @60Hz Both Local & Remote |
| Max Number of Ports (Entire Chain)        | 16                                                      |
| 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                                                     |
| Voltage Compatibility (VAC)               | 100; 110; 120; 125; 127; 200; 208; 220; 230; 240        |
| Input Frequency                           | 50/60Hz                                                 |
| Input Current                             | 1A                                                      |



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|                                              |                                                                                                                                           |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Power Input Receptacle                       | IEC-320-C14                                                                                                                               |
| Redundancy - Dual Power Inputs               | No                                                                                                                                        |
| <b>CONNECTIONS</b>                           |                                                                                                                                           |
| Number of Ports                              | 16                                                                                                                                        |
| Daisy-Chain Port                             | No                                                                                                                                        |
| Firmware Upgrade Port                        | No                                                                                                                                        |
| PC/Server Connections                        | DisplayPort; USB                                                                                                                          |
| Side A - Connector 1                         | (16) DISPLAYPORT (FEMALE)                                                                                                                 |
| Side A - Connector 2                         | (16) USB B (FEMALE)                                                                                                                       |
| Side B - Connector 1                         | DISPLAYPORT (FEMALE)                                                                                                                      |
| Side B - Connector 2                         | (2) USB A (FEMALE)                                                                                                                        |
| Side B - Connector 3                         | RJ45 (FEMALE)                                                                                                                             |
| Side B - Connector 4                         | USB A (FEMALE)                                                                                                                            |
| Computer Keyboard and Mouse Interface        | USB                                                                                                                                       |
| Computer Monitor Interface                   | Displayport                                                                                                                               |
| Console Keyboard and Mouse Interface         | USB                                                                                                                                       |
| Console Monitor Interface                    | Displayport                                                                                                                               |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                           |
| LED Indicators                               | (x16) On Line, (x16) Selected, (x1) Power, (x3) Caps/Num/Scroll Lock, (1) LCD Monitor Power Off, RJ45 Port: (x1) Link, (x1) Data Transfer |
| <b>PHYSICAL</b>                              |                                                                                                                                           |
| Color                                        | Black                                                                                                                                     |
| Material of Construction                     | Metal; Plastic                                                                                                                            |
| LCD Monitor (in.)                            | 17                                                                                                                                        |
| Rackmountable                                | Yes                                                                                                                                       |
| Shipping Dimensions (hwd / in.)              | 32.68 x 26.38 x 5.51                                                                                                                      |
| Shipping Dimensions (hwd / cm)               | 83.01 x 67.01 x 14.00                                                                                                                     |
| Shipping Weight (lbs.)                       | 44.10                                                                                                                                     |
| Shipping Weight (kg)                         | 20.00                                                                                                                                     |
| Unit Dimensions (hwd / in.)                  | 1.730 x 18.900 x 26.770                                                                                                                   |
| Unit Packaging Type                          | Box                                                                                                                                       |
| Unit Weight (lbs.)                           | 31                                                                                                                                        |
| Unit Weight (kg)                             | 14.06                                                                                                                                     |



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| ENVIRONMENTAL                |                                                   |
|------------------------------|---------------------------------------------------|
| Operating Temperature Range  | 32° to 104°F (0° to 40°C)                         |
| Storage Temperature Range    | -4° to 140°F (-20° to 60°C)                       |
| Relative Humidity            | 0% to 80% RH, Non-Condensing                      |
| Operating Temperature        | 32° to 104°F (0° to 40°C)                         |
| COMMUNICATIONS               |                                                   |
| Hotkey                       | Yes                                               |
| Port Control                 | Push Buttons, Hotkeys, OSD, Remote Toolbar        |
| IP Remote Access             | Yes                                               |
| Network Compatibility        | 1000 Mbps                                         |
| FEATURES & SPECIFICATIONS    |                                                   |
| USB Hub Ports                | Yes                                               |
| Number of USB Hub Ports      | 1                                                 |
| USB Specification            | USB 1.1 (up to 12 Mbps)                           |
| NIAP-Certified Secure        | No                                                |
| Number of Users              | 1                                                 |
| Autoscan (Y,N)               | Y                                                 |
| On-Screen Display (OSD)      | Yes                                               |
| Port Selection               | GUI; Hotkey; OSD; Pushbutton                      |
| Displayport Specification    | 1.1                                               |
| HDCP Specification           | 1.4                                               |
| Authentication Supported     | LDAP; LDAPS; MS Active Directory; RADIUS          |
| Autoscan Duration            | 1-255 seconds; User-definable (default 5 seconds) |
| Recommended Category Cable   | Cat5e/6                                           |
| BUILT-IN CONSOLE             |                                                   |
| Console Screen Size (inches) | 17                                                |
| REMOTE ACCESS                |                                                   |
| Modem Port                   | No                                                |
| STANDARDS & COMPLIANCE       |                                                   |
| Product Compliance           | RoHS; REACH; Trade Agreements Act (TAA)           |
| WARRANTY & SUPPORT           |                                                   |

|                                        |                         |
|----------------------------------------|-------------------------|
| Product Warranty Period<br>(Worldwide) | 1-year limited warranty |
|----------------------------------------|-------------------------|

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