

Compatible with B040/42-Series KVM's only. Cannot be daisy-chained to other KVM series.

## 16-Port 1U Rack-Mount USB/PS2 KVM Switch with On-Screen Display

MODEL NUMBER: **B042-016**



### Description

Tripp Lite's NetController 16-Port, 1U rackmount KVM Switch is an affordable, highly-flexible enterprise class KVM Switch, which allows the user to connect either USB or PS/2 keyboards and mice. In addition, P780-Series USB/PS2 combo KVM cable kits allow you to connect either USB or PS/2 computers, without the need to purchase separate cables or adapters. Control up to 16 directly connected computers, or expand the number of connected computers to up to 256 by daisy-chaining up to 15 additional B040/42-Series KVM switches (Compatible with B040/42-Series KVM's only. Cannot be daisy-chained to other KVM series) Switch between connected computers via the On-Screen Display (OSD), pushbuttons, or keyboard hotkey commands. Other features include: password protection, auto-scanning, auto-logout, firmware upgrade and video support up to 2048 x 1536 (QXGA). Mounts easily in a standard 19" rack/cabinet and includes all necessary mounting hardware. Compatible with all major operating systems. Constructed of heavy-duty steel housing.

### Features

- NetController 16-Port, 1U rackmount KVM switch
- Control 16 computers via a single VGA monitor and USB or PS/2 keyboard/mouse
- P780-Series USB/PS2 combo KVM cable kits allow you to connect either USB or PS/2 computers, without the need to purchase separate cables or adapters
- Control up to 256 computers by daisy-chaining up to 15 additional B040/42-Series KVM switches (Compatible with B040/42-Series KVM's only. Cannot be daisy-chained to other KVM series)
- Allows for easy customization of ports by daisy-chaining any combination of B042-Series KVM's (4-, 8- or 16-port)
- Standard 19" Rackmount size - hardware included
- On-Screen Display (OSD) menu for intuitive operation and easy control
- Switch between connected computers via the On-Screen Display (OSD), pushbuttons, or keyboard hotkey commands
- Supports video resolution up to 2048 x 1536
- Password protection and auto-logout features
- Firmware upgradeable
- Robust metal case design ensures best EMI/RFI shielding and video quality

### Highlights

- NetController 16-Port, 1U rackmount KVM switch
- Control 16 computers via a single VGA monitor and USB or PS/2 keyboard/mouse
- Control up to 256 computers by daisy-chaining up to 15 additional B040/42-Series KVM switches (Compatible with B040/42-Series KVM's only. Cannot be daisy-chained to other KVM series)
- P780-Series USB/PS2 combo KVM cables kits allow you to connect either USB or PS/2 computers, without the need to purchase separate cables or adapters
- Compatible with all major operating systems

### System Requirements

#### Hardware Versions

A new hardware version (v2) of the B042-016 was released in 2019, requiring different firmware from the previous version (v1). The Support tab of this page includes a zip folder for v2. Along with the applicable firmware, it contains an FW Notes file to help you determine which hardware version you have and which firmware to use. The current firmware comes pre-installed on all v2 models. If you have a hardware version (v1) KVM, consult Technical Support for the applicable firmware.

Note: \*When daisy-chaining (8) or (16) Port KVM switches together and problems are experienced, confirm switches have the same hardware version. If firmware is not up to date, you may need to upgrade the firmware of your unit(s).\*

#### Package Includes

- B042-016 NetController 16-Port, 1U rackmount KVM switch
- External Power Supply with NEMA 1-15P Plug (Input: 100-240V, 50/60Hz, 0.3A / Output: 9V, 1A)
- Rackmount hardware
- 8 In. Daisychain cable ( for longer daisy-chain cables, see

- Hot-swappable: disconnect and reconnect USB computers without rebooting
- Supports standard 5-button Microsoft, Logitech, or comparable mice
- Supports standard Microsoft, Logitech, or comparable keyboards
- Compatible with all major operating systems
- Constructed of heavy-duty steel housing

Tripp Lite P781 series cables)

- Daisychain terminator
- 4 ft. HD15 to DB9 firmware upgrade cable
- CD with owner's manual and quick start guide
- Quick start guide

## Specifications

| OVERVIEW                                       |  |
|--|--|
| UPC Code                                       | 037332141408   |
| Console  | No   |
| Max CPU  | 256  |
| Technology                                     | PS/2; VGA/SVGA                                       |
| VIDEO  |  |
| Max Supported Video Resolution                 | 2048 x 1536 @60Hz                                    |
| Max. Distance (Between any 2 Units)            | 98ft (30m)   |
| Max Number of Ports (Entire Chain)             | 256  |
| INPUT  |  |
| Voltage Compatibility (VAC)                    | 100; 110; 120; 127; 200; 208; 220; 230; 240          |
| Bus Powered                                    | No   |
| POWER  |  |
| Power Source Type                              | AC Adapter   |
| External Power Supply Plug(s)                  | NEMA 1-15P North America                             |
| External Power Supply Input Specs (V / Hz / A) | 100-240V / 50/60Hz / 1A                              |
| External Power Supply Output Specs (V / A)     | 9V / 1.33A   |
| External Power Supply Cord Length (ft.)        | 5  |
| External Power Supply Cord Length (m.)         | 1.5  |
| AC Adapter                                     | Input: 100-240V, 50/60Hz, 0.3A / Output: 9V, 1.33A   |
| DC Barrel Plug                                 | OD: 5.5 x 2.1 x 9.5mm, Positive Pin, Negative Sleeve |
| Power Consumption (Watts)                      | 9.7  |

| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                 |
|--|---------------------------------|
| LED Indicators                               | Red (Link); Green (Selected PC) |
| <b>PHYSICAL</b>                              |                                 |
| Color  | Black                           |
| Material of Construction                     | Steel                           |
| Rackmountable                                | Yes                             |
| Shipping Dimensions (hwd / in.)              | 2.80 x 11.30 x 17.10            |
| Shipping Dimensions (hwd / cm)               | 7.11 x 28.70 x 43.43            |
| Shipping Weight (lbs.)                       | 6.50                            |
| Shipping Weight (kg)                         | 2.95                            |
| Unit Dimensions (hwd / in.)                  | 1.750 x 19.000 x 6.500          |
| Unit Packaging Type                          | Box                             |
| Unit Weight (lbs.)                           | 4.19                            |
| Unit Weight (kg)                             | 1.90                            |
| <b>ENVIRONMENTAL</b>                         |                                 |
| 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%-90% RH, Non-Condensing       |
| BTUs   | 33.1 BTU/Hr                     |
| ESD Protection                               | Yes                             |
| <b>COMMUNICATIONS</b>                        |                                 |
| Hotkey                                       | Yes                             |
| IP Remote Access                             | No                              |
| EDID Compatible                              | Yes                             |
| <b>CONNECTIONS</b>                           |                                 |
| Number of Ports                              | 16                              |
| Daisy-Chain Port                             | Yes                             |
| Firmware Upgrade Port                        | Yes                             |
| PC/Server Connections                        | PS/2; USB; VGA                  |
| Side A - Connector 1                         | (16) HD15 (FEMALE)              |
| Side B - Connector 1                         | (2) HD15 (FEMALE)               |
| Side B - Connector 2                         | HD15 (MALE)                     |

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Side B - Connector 3                  | (2) MINI DIN-6 (FEMALE)             |
| Side B - Connector 4                  | (2) USB A (FEMALE)                  |
| Included Cable (Side A) - Connector 1 | No                                  |
| Computer Keyboard and Mouse Interface | PS/2; USB                           |
| Computer Monitor Interface            | VGA                                 |
| Console Keyboard and Mouse Interface  | PS/2; USB                           |
| Console Monitor Interface             | VGA                                 |
| Connector Plating                     | Nickel                              |
| <b>PORT EXPANSION</b>                 |                                     |
| Daisy-chainable or Cascadable         | Daisychainable                      |
| <b>FEATURES &amp; SPECIFICATIONS</b>  |                                     |
| Autoscan (Y,N)                        | Y                                   |
| Autoscan Duration                     | 10 to 60 seconds                    |
| Number of Users                       | 1                                   |
| NIAP-Certified Secure                 | No                                  |
| On-Screen Display (OSD)               | Yes                                 |
| Port Selection                        | Pushbutton; Hotkey; OSD             |
| Driver Required                       | No                                  |
| Cat5 KVM Switch                       | No                                  |
| <b>STANDARDS &amp; COMPLIANCE</b>     |                                     |
| External Power Supply Certifications  | FCC; UL; cUL; TUV; CB               |
| Product Compliance                    | RoHS; CE (Europe); REACH; FCC (USA) |
| <b>WARRANTY &amp; SUPPORT</b>         |                                     |
| Product Warranty Period (Worldwide)   | 3-year limited warranty             |