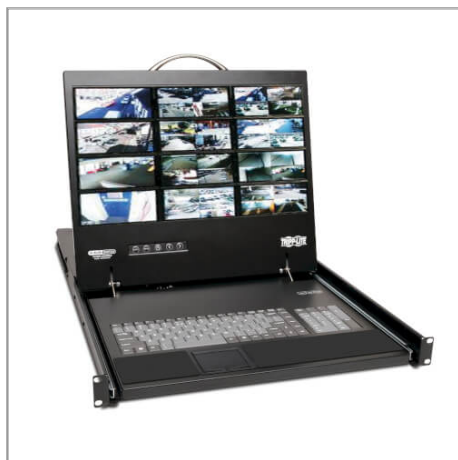For best results, STP (Shielded Twisted Pair) Cat5e or higher cabling is recommended like Tripp Lite's N105-Series, N125-Series or N262-Series. Free NetCommander-AXS Management Software is available for access and control of all of your Tripp Lite NetCommander IP KVM switches (B070 and B072 series). From a single interface, you can access server ports on any of your KVM switches, power cycle or power on/off outlets of IP PDU's, and manage KVM settings. This software can be found on the model support page of the B070-016-19-IP, or via searching NetCommander-AXS on www. Tripplite.com

# NetCommander 16-Port Cat5 KVM over IP Switch - 19 in. LCD, 1 Remote + 1 Local User, 1U Rack-Mount

## MODEL NUMBER: **B070-016-19-IP**

Control up to 16 computers from virtually anywhere with one Cat5 KVM switch with integrated console. This KVM switch with IP remote access is a smart solution for efficient server control. Low-cost Cat5 cables let you locate servers up to 100 ft. away.

## Description

Tripp Lite's B070-016-19-IP KVM Switch gives you a rack-mountable full keyboard, LCD and touchpad in a single console that occupies only 1U of rack space. Easy to install and use, it's the optimal solution for controlling up to 16 computers/servers locally, from across the room, down the street or halfway around the globe on a LAN, WAN or Internet.

The B070-016-19-IP uses inexpensive, user-supplied Cat5e/6/6a cabling with Server Interface Units so you can control computers/servers located up to 100 ft. away from the switch. This switch features two 10/100 Mbps LAN ports, so if one fails, the other takes over, keeping remote access uninterrupted. Users can switch easily between the 16 ports using an on-screen display (OSD). Multi-level password protection prohibits unauthorized users from accessing the connected computers, and a local user and a remote user can be logged on simultaneously. The built-in 19" LCD screen supports video resolutions up to 1366 x 768.

Two serial ports allow control of serial-manageable devices such as IP PDUs, firewalls and routers; you can assign individual ports to an IP PDU port to power on/off the server connected to that port. The B070-016-19-IP stores neatly in a rack drawer and pulls out when needed. This KVM console is compatible with both Windows and Linux operating systems, and provides remote access using a Windows computer. Heavy-duty steel housing stands up to frequent use. Complies with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

Free NetCommander-AXS Management Software is available for access and control of all of your Tripp Lite NetCommander IP KVM switches (B070 and B072 series). From a single interface, you can access server ports on any of your KVM switches, power cycle or power on/off outlets of IP PDU's, and manage KVM settings. This software can be found on the model support page of the B070-016-19-IP, or via searching NetCommander-AXS on tripplite.eaton.com

## Highlights

- Control computers/servers locally or via LAN, WAN or Internet
- Occupies just 1U of space in a rack-mountable drawer
- Low-cost Cat5 cabling allows longer distances, reduces cable clutter
- 19" LCD screen supports video resolutions up to 1366 x 768
- Simultaneous support for 2 users – 1 local, 1 remote
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- Free Management Software available to Access and Control all of your Tripp Lite NetCommander IP KVM's (B070 and B072 IP series) from a single interface
- Fast Virtual Media KVM System patented under Pat. No. US 9,417,720

## System Requirements

- Computer with HD15 port, and USB port or PS/2 keyboard/mouse ports
- User-supplied Cat 5e/6/6a cabling
- B078-101-USB-1 (USB) or B078-101-USB2 (USB) Server Interface Unit is required for each connected computer/server; the B078-101-USB2 is required for Fast Virtual Media speeds up to 12Mbps; the B078-101-USB-1 can be used for Virtual Media, but only at speeds up to 1Mbps
- For computers with Displayport or HDMI, change to VGA using Tripp Lite adapters P134-06N-VGA-V2 or P131-06N. Maximum video resolutions using adapters may vary.
- Compatible with Windows and Linux operating systems
- Remote access supported using Windows computers
- Remote console computers require minimum Pentium 4 with 2 GB memory
- Hardware versions: A new hardware version (v2) of the

## Features

### Saves Space and Money
- Combines 16-port KVM switch, 19" LCD screen, keyboard and touchpad in a single 1U rack-mountable drawer

- Mounts into 19"-wide rack, 27"-42" deep; to mount in a 2-post rack, use Tripp Lite's B019-000

- Inexpensive Cat5e/6/6a cabling lets you locate servers up to 100 ft. from the switch

- Use a Server Interface Unit, B078-101-USB-1 (for USB) with each server that will be connected with Cat5 cable

- To convert DisplayPort or HDMI computers to VGA, use Tripp Lite adapters P134-06N-VGA-V2 or P131-06N. Maximum video resolutions using adapters may vary.

### IP Remote Access for Fewer Trips to the Server Room
- Remote access means there's no need to travel to the server room or network closet

- Java-based application allows Windows computers to control a target server via web browser from any location over a secured IP connection

- A non-browser client is available that allows Windows computers to remotely access the KVM without the need for a browser and without the need to install Java

- 1 local + 1 remote user can access different ports concurrently; up to 5 users can share a single session

- Supports both IPv4 and IPv6

- Free Management Software available to Access and Control all of your Tripp Lite NetCommander IP KVM's (B070 and B072 IP series) from a single interface

### Simplifies IT Tasks
- On-screen display, hot keys and remote toolbar for easy use

- 2 serial ports allow control of serial-manageable devices such as IP PDUs, firewalls and routers

- Add IP PDUs as devices that can be controlled by the KVM; assign individual ports to an IP PDU port to power on/off the server connected to that port

- Virtual Media allows a .iso file to be mounted to a target server and accessed as if it were directly stored on it

- Fast Virtual Media KVM System patented under Pat. No. US 9,417,720

- System-sent messages to SNMP server notify you of LAN failures

- Supports RADIUS and LDAP/S authentication

- Log tracks events on your installation

### Large 19" LCD
- Supports video resolutions up to 1366 x 768; 1920 x 1080 remotely

- DDC emulation allows for optimal output to LCD

### Advanced Security Features
- Multi-level password protection: create administrator accounts with full access and user accounts with limited access

- Supports TLS 1.2 security protocol

- You can install SSL certificates to ensure secure transactions between web servers and browsers

### Long-Lasting Reliability
- Flash-upgradeable firmware over the network

- Heavy-duty steel housing stands up to use

B070-016-19-IP was released in 2014, and it requires different firmware than was used in the previous version (v1). In the Support tab on this web page you will find a zip folder for the v1 KVM. In addition to including the applicable firmware, it contains a FW Notes file that will tell you how to determine which hardware version you have, and therefore, which firmware you need to use. If you have a v2 KVM, the latest firmware is that which came pre-installed on the KVM.

- Power consumption: 120V, 60Hz, 30W

## Package Includes
- B070-016-19-IP 1U rackmount console KVM switch with 19" LCD

- C13 to 5-15P power cord

- Rackmount hardware

- CD with owner's manual

- Quick start guide

**TAA Compliant**
- Complies with the Federal Trade Agreements Act for GSA Schedule purchases

# Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332140326 |
| Console | Yes |
| Technology | Cat5/5e; PS/2; VGA/SVGA |

| VIDEO | |
|---|---|
| Max Supported Video Resolution | Console: 1366 x 768 @ 60Hz; Remote: 1920 x 1080 @ 60Hz |

| INPUT | |
|---|---|
| Voltage Compatibility (VAC) | 100; 110; 120; 127; 200; 208; 220; 230; 240 |
| Input Frequency | 50/60Hz |
| Input Current | 120V (1.2A) / 230V (0.7A) |
| Power Input Receptacle | IEC-320-C14 |

| POWER | |
|---|---|
| Power Consumption (Watts) | 30 |
| Power Consumption Detail | (Line Mode) 30W / (Standby Mode) 5W |

| USER INTERFACE, ALERTS & CONTROLS | |
|---|---|
| LED Indicators | Green (CAPS LOCK, SCROLL LOCK, NUM LOCK) |

| PHYSICAL | |
|---|---|
| Color | Black |
| Material of Construction | Steel (Steel, Electrogalvanized, Cold Rolled, Coil) |
| LCD Monitor (in.) | 19 |
| Rackmountable | Yes |
| Shipping Dimensions (hwd / in.) | 6.30 x 23.40 x 32.30 |
| Shipping Dimensions (hwd / cm) | 16.00 x 59.44 x 82.04 |
| Shipping Weight (lbs.) | 40.00 |
| Shipping Weight (kg) | 18.14 |
| Unit Dimensions (hwd / in.) | 1.710 x 17.360 x 28.430 |
| Unit Packaging Type | Box |

| Unit Weight (lbs.) | 29.00 |
|---|---|
| Unit Weight (kg) | 13.15 |

| **ENVIRONMENTAL** | |
|---|---|
| Storage Temperature Range | -40 to 158 F (-40 to 70 C) |
| Relative Humidity | 0% to 80% RH, Non-Condensing |
| Operating Temperature | 32 to 104 F (0 to 40 C) |
| BTUs | (Line Mode) 102 BTU/Hr / (Standby Mode) 17.1 BTU/Hr |

| **COMMUNICATIONS** | |
|---|---|
| IP Remote Access | Yes |
| Network Compatibility | 100 Mbps (Fast Ethernet) |

| **CONNECTIONS** | |
|---|---|
| Number of Ports | 16 |
| PC/Server Connections | PS/2; USB; VGA |
| Side A - Connector 1 | (4) RJ45 (FEMALE) |
| Side A - Connector 2 | USB A (FEMALE) |
| Side B - Connector 1 | (16) RJ45 (FEMALE) |
| Computer Keyboard and Mouse Interface | PS/2; USB |
| Computer Monitor Interface | VGA |

| **FEATURES & SPECIFICATIONS** | |
|---|---|
| USB Specification | USB 2.0 (up to 480 Mbps) |
| Cat5 KVM Switch | Yes |
| NIAP-Certified Secure | No |
| Number of Users | 2 |
| Autoscan (Y,N) | N |
| On-Screen Display (OSD) | Yes |
| Port Selection | Hotkey; OSD; Remote Selector |
| Driver Required | No |
| Authentication Supported | RADIUS; LDAPS |
| Recommended Category Cable | Cat5e/6/6a Cables |

| **BUILT-IN CONSOLE** | |
|---|---|
| Console Screen Size (inches) | 19 |
| Console Screen Aspect Ratio | 16:9 |

| REMOTE ACCESS | |
| --- | --- |
| Virtual Media Speed | Up to 12 Mbps (using B078-101-USB2) |

| STANDARDS & COMPLIANCE | |
| --- | --- |
| Product Certifications | CAN/CSA C22.2; CAN/CSA-C22.2 No. 60950-1 (Canada); UL 60950-1 |
| Product Compliance | RoHS; CE (Europe); REACH; FCC Part 15 Class A (USA); Trade Agreements Act (TAA) |

| WARRANTY & SUPPORT | |
| --- | --- |
| Product Warranty Period (Worldwide) | 1-year limited warranty |