

Important Note

For best results, STP (Shielded Twisted Pair) Cat5e or higher cabling is recommended like N105-Series, N125-Series or N262-Series. Free NetCommander-AXS Management Software is available for access and control of all of your 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 PDUs, 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 <https://tripplite.eaton.com>

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

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

The 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 feet 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-inch 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 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.

Features

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 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 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 B070-016-19-IP was released in 2014, and it requires different firmware than was used in the



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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 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 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 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

TAA Compliant

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

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
- Quick start guide



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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
OUTPUT	
Frequency Compatibility	50 / 60 Hz
POWER	
Power Consumption (Watts)	30
Power Consumption Detail	(Line Mode) 30W / (Standby Mode) 5W
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
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Green (CAPS LOCK, SCROLL LOCK, NUM LOCK)
PHYSICAL	
Color	Black



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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	0-80% 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	
Hotkey	Y
IP Remote Access	Yes
Network Compatibility	100 Mbps (Fast Ethernet)
FEATURES & SPECIFICATIONS	
USB Specification	USB 2.0 (up to 480 Mbps)
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
Autoscan Duration	N/A
Recommended Category Cable	Cat5e/6/6a Cables
BUILT-IN CONSOLE	
Console Screen Size (inches)	19



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Console Screen Aspect Ratio	16:9
REMOTE ACCESS	
Virtual Media Speed	Up to 12 Mbps (using B078-101-USB2)
Access Type	Remote
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

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