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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

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

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

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

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

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
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