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## 16-Port Cat5e KVM over IP Switch - Virtual Media, 4 Users (Remote + 1 Local Port), HDMI Output, 1U Rack-Mount, TAA

MODEL NUMBER: B064-016-04-IPH



Lets you control up to 16 computers and/or servers, including blade servers, directly at the same time via Cat5e cabling.

### Features

#### Control as Many as 16 Computers or Servers from Anywhere in the World

This NetDirector® Cat5e KVM over IP switch provides BIOS-level access to as many as 16 computers and/or servers directly, including blade servers, from a single monitor, USB keyboard and USB mouse (and up to 128 computers indirectly using the cascade option). Dual redundant C14 power inlets (cords are included) keep KVM control intact in case one power supply fails. A Laptop USB Console (LUC) port allows direct connection of a laptop for easy console operation of the B064-016-04-IPH.

#### Simple Network Control That Gives You More Flexibility

The B064-016-04-IPH eases multi-server management in small to large enterprise data centers, as well as applications with multiple or remote users accessing equipment. Built-in IP capability allows up to four users, either one local and three remote or all four fully remote, to access the network independently and simultaneously via a shared bus. An optional dial-in connection (modem port) is provided to ensure access in situations when the KVM switch is not available over the primary network. You may also select a connected computer using on-console pushbuttons, GUI (graphical user interface), OSD (on-screen display) or keyboard hotkey commands. An LED per KVM port indicates when a computer is connected to the port, when it is powered on and when it is selected.

#### High-Resolution On-Screen Display Offers Multi-Language Support

HDMI and VGA ports with high-resolution video up to 1920 x 1200 (at 60 Hz) with 24-bit color depth provide a GUI with management tools, including an event log, auto-scanning and panel array mode. Both ports may be in use at the same time. The OSD may be set to display in English, German, Russian, Japanese, traditional Chinese or simplified Chinese.

#### Supports Both IPv4 and IPv6 Addresses

The B064-016-04-IPH supports IPv4, Link Local IPv6 Address and IPv6 Stateless Autoconfiguration protocols. You may set the IP address manually or have it automatically assigned via DHCP server (the default method).

#### Heightened Security for Every Connection

Management software is Java-free to help prevent vulnerabilities. Three levels of pre-defined user access (including fundamental BIOS access) allow you to control who gains access to connected servers/computers. Remote authentication support is provided via RADIUS, LDAP, LDAPS and Active

### Highlights

- Up to 4 users (remote + 1 local) can control up to 16 computers/servers simultaneously
- Dual redundant C14 power inlets keep the unit running in case one power supply fails
- Virtual Media allows access to remote storage, including DVD/CD drives and flash drives
- Dedicated LUC port connects directly to a laptop for easy console operation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### System Requirements

- Any major operating system, including Windows, macOS, Linux and Unix
- Any major web browser, including Google Chrome, Microsoft Edge and Mozilla Firefox
- Connected computers: VGA or HDMI port and USB keyboard/mouse port
- B055-001-USB, B055-001-USB-V2, B055-001-SER or B055-001-PS2 (PS/2) Server Interface Unit is required for each connected computer/server
- Remote console computers (web browser): 128-bit SSL encryption and Sun JRE v6 Update 3 or higher
- Remote console computers (non-browser Windows Client): Windows w/DirectX 7.0 or higher
- Remote console computers (Java Client): Sun JRE v.6 Update 3 or higher

### Package Includes

- B064-016-04-IPH 16-Port Cat5e KVM over IP Switch
- (2) Detachable C13-to-C14 power cords, 6.6 ft. (2 m)
- Grounding wire
- Foot pads
- Rack-mounting hardware
- Installation instructions



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Directory. The B064-016-04-IPH also incorporates advanced encryption technologies: 1024-bit RSA, 56-bit DES, 256-bit AES and 128-bit SSL. It also supports high-grade FIPS 140-2 level 1 security standards that use an embedded FIPS 140-2 certified OpenSSL cryptographic module.

**Network-Wide Storage Media Access**

Three USB ports are provided on the front panel for use with Virtual Media or USB peripheral devices. Virtual Media capability allows any computer connected to the KVM via a B055-Series server interface unit to access DVD/CD drives, flash drives and other storage media from a remote computer, as if it were directly connected. This allows administrators to perform file transfers, install software and perform diagnostics across a network.

**All-in-One Network Management for Critical Systems**

The B064-016-04-IPH offers a comprehensive network management solution that installs with the attached mounting brackets in just 1U, leaving plenty of rack space for other equipment. No server-resident software is required, so server performance and reliability are never compromised. Flash-upgradable firmware over an Ethernet network fine-tunes compatibility with emerging standards. All major web browsers are supported for users who log in remotely, including Google Chrome, Microsoft Edge and Mozilla Firefox.

**TAA-Compliant for GSA Schedule Purchases**

The B064-016-04-IPH 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	037332285980
Product Type	KVM Switch
Console	No
Max CPU	16
Technology	Cat5/5e; VGA/SVGA
VIDEO	
Number of Monitors Supported	1
Video Ports	(1) HDMI (FEMALE); (1) VGA
Max Supported Video Resolution	1920 x 1200 @60 Hz
Max. Distance (Between any 2 Units)	The distance between the B064 IPH switch and the B055 Adapter must not exceed these lengths: B055-001-SER: 300 m; Other B055: 50 m (up to 40 m via Cat 5e cable / up to 50 m via Cat 6 cable).
Max Number of Ports (Entire Chain)	256
Extended Mode	No
Mirror Mode	No
HDR Support	No
3D Video Supported	No
INPUT	
AC Power Adapter Plug(s)	IEC-320-C14



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AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 1A
AC Power Adapter Cord Length (ft.)	6.6
AC Power Adapter Cord Length (m)	2
Maximum Input Amps	10.0
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
Input Frequency	50/60Hz
Input Current	1A
Power Input Receptacle	IEC-320-C14
Redundancy - Dual Power Inputs	Yes
Bus Powered	No
<b>OUTPUT</b>	
Frequency Compatibility	50 / 60 Hz
<b>POWER</b>	
Power Source Type	Power Cord
<b>CONNECTIONS</b>	
Number of Ports	16
Computer/Server Ports	(x16) RJ45 Female
Daisy-Chain Port	No
Firmware Upgrade Port	No
PC/Server Connections	DVI; USB; VGA
Side A - Connector 1	(3) USB A (FEMALE)
Side A - Connector 2	(2) 3.5MM (FEMALE)
Side A - Connector 3	USB MINI-B 5-PIN (FEMALE)
Side B - Connector 1	(19) RJ45 (FEMALE)
Computer Keyboard and Mouse Interface	USB
Computer Monitor Interface	HDMI; VGA
Console Keyboard and Mouse Interface	USB
Console Monitor Interface	HDMI; VGA
Serial Interface	(1) RJ45 (FEMALE)
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	PORT LEDS- GREEN (ONLINE), RED (SELECTED AND OFFLINE), ORANGE (SELECTED AND ONLINE); POWER 1 & 2 LEDS- BLUE; LINK 1 & 2 LEDS- RED (10MBPS), ORANGE (100MBPS), GREEN (1000MBPS)



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<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal
Housing Color	Black
Total Number of Ports	16
Rackmountable	Yes
Shipping Dimensions (hwd / in.)	5.11 x 19.92 x 22.63
Shipping Weight (lbs.)	16.82
Shipping Weight (kg)	7.63
Unit Dimensions (hwd / in.)	1.720 x 17.055 x 16.271
Unit Packaging Type	Box
Unit Weight (lbs.)	7.75
Unit Weight (kg)	3.52
<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	0-80% non-condensing
Operating Temperature	32° to 104°F (0° to 40°C)
<b>COMMUNICATIONS</b>	
Hotkey	Y
Port Control	Push Buttons, Hotkeys, OSD, Remote Toolbar
IP Remote Access	Yes
Network Compatibility	1000 Mbps
EDID Compatible	No
IR Remote Extension Support	No
<b>PORT EXPANSION</b>	
Daisy-chainable or Cascadable	Cascadable
<b>FEATURES &amp; SPECIFICATIONS</b>	
USB Specification	USB 2.0 (up to 480 Mbps)
NIAP-Certified Secure	No
Number of Users	4
Autoscan (Y,N)	Y
On-Screen Display (OSD)	Yes



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Port Selection	GUI; Hotkey; OSD; Pushbutton; Remote Selector
Driver Required	No
Authentication Supported	LDAP; LDAPS; RADIUS
Autoscan Duration	Default is 5 seconds, user can key in value from 1 -255 seconds
Recommended Category Cable	Cat5/5e cables
<b>REMOTE ACCESS</b>	
Modem Port	Yes
Access Type	Remote
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	CAN/CSA-C22.2 No. 62368-1 (Canada); EN 55032; EN 55035; NOM (Mexico); TUVus; UL 62368-1
Product Compliance	CE (Europe); FCC (USA); FCC Part 15 Class A (USA); FCC Part 15 Class B (USA); FIPS 140-2; REACH; RoHS; Trade Agreements Act (TAA); UKCA
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	3-year limited warranty

1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
<https://tripplite.eaton.com>

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