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32-Port Cat5e KVM over IP Switch - Virtual Media, 3 Remote/1 Local User, HDMI Output, 1U Rack-Mount, TAA

MODEL NUMBER: **B064-032-04-IPH**



Lets you control up to 32 computers and/or servers, including blade servers, directly at the same time via Cat5e cabling.

Features

Control as Many as 32 Computers or Servers from Anywhere in the World

This NetDirector® Cat5e KVM over IP switch provides BIOS-level access to as many as 32 computers and/or servers directly, including blade servers, from a single monitor, USB keyboard and USB mouse (and up to 256 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 B064-032-04-IPH.

Simple Network Control That Gives You More Flexibility

The B064-032-04-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. 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 B064-032-04-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

- 4 users (remote + 1 local) can control up to 32 computers or servers at the same time
- 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

- B064-032-04-IPH 32-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 B064-032-04-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.

Free Management Software Included

Free NetDirector-AXS management software is available for accessing and controlling the B064-032-04-IPH. From a single interface, you can remotely access server ports and manage KVM settings. You can download this software at triplite.eaton.com/support.

All-in-One Network Management for Critical Systems

The B064-032-04-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 B064-032-04-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 | 037332285997 |
| Product Type | KVM Switch |
| Console | No |
| Max CPU | 32 |
| 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 |



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| INPUT | |
|--|--|
| AC Power Adapter Plug(s) | IEC-320-C14 |
| 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 |
| POWER | |
| Power Source Type | Power Cord |
| CONNECTIONS | |
| Number of Ports | 32 |
| Computer/Server Ports | (x32) 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) |
| USER INTERFACE, ALERTS & CONTROLS | |
| 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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| PHYSICAL | |
|--------------------------------------|--|
| Color | Black |
| Material of Construction | Metal |
| Housing Color | Black |
| Included Mounting Accessories | Y |
| Total Number of Ports | 32 |
| 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 |
| ENVIRONMENTAL | |
| 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 to 80%, RH, Noncondensing |
| Operating Temperature | 32° to 104°F (0° to 40°C) |
| COMMUNICATIONS | |
| 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 |
| PORT EXPANSION | |
| Daisy-chainable or Cascadable | Cascadable |
| FEATURES & SPECIFICATIONS | |
| USB Specification | USB 2.0 (up to 480 Mbps) |
| NIAP-Certified Secure | No |
| Number of Users | 4 |
| Autoscan (Y,N) | Y |



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| | |
|-------------------------------------|---|
| On-Screen Display (OSD) | Yes |
| 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 |
| REMOTE ACCESS | |
| Modem Port | Yes |
| STANDARDS & COMPLIANCE | |
| 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 |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 3-year limited warranty |

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