

## Management Software

Free NetDirector-AXS Management Software is available for access and control of select NetDirector IP KVM switches (B064-IPG series). From a single interface, you can access server ports on any of your supported KVM switches and manage the KVM settings. This software may be found on the model support page of the B064-016-02-IPG or by searching for AXS IP KVM Software on this website.

## NetDirector 16-Port Cat5 KVM over IP Switch - Virtual Media, 2 Remote + 1 Local User, 1U Rack-Mount, TAA

MODEL NUMBER: **B064-016-02-IPG**



Cat5 KVM switch directly controls up to 16 computers and/or servers, including blade servers, at the same time.

## Features

**Control As Many As 16 Computers or Servers from Anywhere in the World** This NetDirector® Cat5 KVM switch is the smart solution for controlling multiple computers and servers in a complex, demanding IT environment. The B064-016-02-IPG provides complete control of up to 16 computers and/or servers directly, including blade servers, from a single monitor, USB keyboard and USB mouse. Redundant dual power supplies confirm the unit will continue running in the event one power supply fails. A Laptop USB Console (LUC) port allows direct connection of a laptop for easy console operation of the KVM switch.

**All-in-One Network Management for Critical Systems** The B064-016-02-IPG offers a comprehensive, cost-effective network management solution that installs in 1U of space in an EIA-standard 19-inch rack using the included hardware. 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.

**Supports All Major Operating Systems** The B064-016-02-IPG supports all major server platforms and VT100-based serial devices, in addition to all major operating systems and both USB and PS/2 connections. Because compatibility is based on common hardware standards, rather than system software dependencies, almost any platform can be accommodated.

**Simple, Flexible Network Control** This Cat5 KVM switch is designed to ease multi-server management in data centers, server rooms and other high-density environments. Built-in IP capability allows up to three users—one local and two remote—to access the network independently and simultaneously. An optional dial-in connection 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 push buttons 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.

## Highlights

- Up to 3 users (1 local, 2 remote) can control up to 16 computers/servers simultaneously
- Allows connection of either a DVI or VGA console monitor
- Virtual Media access of flash drives and other storage media from remote computers
- Redundant dual power cords keep the unit running in case one power supply fails
- Supports all major operating systems and both USB and PS/2 connections

## Applications

- Maintaining access to distant or difficult-to-access equipment from a more convenient location for up to 2 remote users and a third local user
- Providing support and service to outsourced hardware
- Controlling multiple computers on a manufacturing line
- Keeping mission-critical servers in a data center up and running 24/7

## System Requirements

- Any major operating system or web browser
- Connected computers: DisplayPort, DVI, VGA or HDMI port and USB or PS/2 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

- B064-016-02-IPG 16-Port IP KVM Switch



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**High-Resolution On-Screen Display Offers Multi-Language Support**The advanced OSD with high-resolution video up to 1600 x 1200 @60 Hz provides a graphical user interface with management tools, including custom port labeling, auto-scanning and panel array mode. The OSD may be set to display in English, German, Russian, Japanese, traditional Chinese and simplified Chinese.

**Allows Connection of Either DVI or VGA Monitor**DVI and VGA console ports are included, though only one monitor may be connected at a time. The local console supports resolutions up to 1600 x 1200 @60 Hz with 32-bit color depth while the remote session (up to 164 feet) supports high-definition video resolutions up to 1600 x 1200 at 60 Hz with 24-bit color depth.

**Supports Both IPv4 and IPv6 Addresses**The B064-016-02-IPG supports IPv4, Link Local IPv6 Address and IPv6 Stateless Auto configuration protocols. You may set the IP address manually or have it automatically assigned via DHCP server (the default method).

**Heightened Security of Every Connection**The B064-016-02-IPG offers three levels of password protection (super administrator, administrator and user) to prevent unauthorized persons from gaining access to connected servers/computers. Remote authentication support is provided via RADIUS, LDAP, LDAPS and Active Directory. The B064-016-02-IPG also incorporates advanced encryption technologies: 1024-bit RSA, 56-bit DES, 256-bit AES and 128-bit SSL.

**Network-Wide Storage Media Access**Virtual Media capability allows any computer connected to the KVM via a B055-001-USB-V2, B055-001-UDP, B055-001-UDV or B055-001-UHD server interface unit to access DVD/CD drives, flash drives and other storage media from a remote computer, as if it was directly connected. Three USB 2.0 ports are provided on the front panel for use with Virtual Media or USB peripheral devices.

**Energy-Efficient Operation**Temperature sensors automatically increase or decrease the speed of the unit's fans as necessary to ensure efficient cooling. This decreases the amount of energy consumed, while prolonging the life of the fans and KVM switch.

**TAA-Compliant UPS for GSA Schedule Purchases**The B064-016-02-IPG is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

**3-Year Warranty and Environmentally Responsible Design**The heavy-duty steel B064-016-02-IPG comes with a 3-year warranty. It's manufactured in compliance with strict RoHS specifications, reflecting commitment to environmental responsibility.

- (2) C13 to NEMA 5-15P detachable power cords
- RJ45 to DB9 adapter
- Grounding wire
- Foot pads
- Rack-mounting hardware
- CD w/owner's manual, Quick Start Guide and device files
- Quick Start Guide

## Specifications

| OVERVIEW                           |                                      |
|------------------------------------|--------------------------------------|
| UPC Code                           | 037332151513                         |
| Max CPU                            | 16                                   |
| Technology                         | Cat5/5e; DVI; PS/2; VGA/SVGA         |
| VIDEO                              |                                      |
| Number of Monitors Supported       | 1                                    |
| Max Supported Video Resolution     | 1600 x 1200 @60Hz 32-bit color depth |
| Max Number of Ports (Entire Chain) | 16                                   |
| Extended Mode                      | No                                   |
| Mirror Mode                        | No                                   |



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| INPUT                                     |                                                                                                                                                                        |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC Power Adapter Plug(s)                  | NEMA 5-15P North America                                                                                                                                               |
| AC Power Adapter Input Specs (V / Hz / A) | 100-240V / 50/60Hz / 1A                                                                                                                                                |
| AC Power Adapter Cord Length (ft.)        | 6                                                                                                                                                                      |
| AC Power Adapter Cord Length (m)          | 1.8                                                                                                                                                                    |
| Nominal Input Voltage(s) Supported        | 100V AC; 110V AC; 115V AC; 120V AC; 127V AC; 140V AC; 200V AC; 208V AC; 220V AC; 230V AC; 240V AC                                                                      |
| Voltage Compatibility (VAC)               | 100; 110; 120; 127; 200; 208; 220; 230; 240                                                                                                                            |
| Input Frequency                           | 50/60Hz                                                                                                                                                                |
| Input Current                             | 120V (0.8A) / 230V (0.4A)                                                                                                                                              |
| Power Input Receptacle                    | IEC-320-C14                                                                                                                                                            |
| POWER                                     |                                                                                                                                                                        |
| Power Source Type                         | Power Cord                                                                                                                                                             |
| Power Consumption (Watts)                 | 50.00                                                                                                                                                                  |
| CONNECTIONS                               |                                                                                                                                                                        |
| Number of Ports                           | 16                                                                                                                                                                     |
| Computer/Server Ports                     | (x16) RJ45 Female                                                                                                                                                      |
| Daisy-Chain Port                          | No                                                                                                                                                                     |
| Firmware Upgrade Port                     | No                                                                                                                                                                     |
| PC/Server Connections                     | DVI; PS/2; Serial; USB; VGA                                                                                                                                            |
| Side A - Connector 1                      | (16) RJ45 (FEMALE)                                                                                                                                                     |
| Side B - Connector 1                      | (1) HD15 (FEMALE)                                                                                                                                                      |
| Side B - Connector 2                      | (1) DVI-D (FEMALE)                                                                                                                                                     |
| Side B - Connector 3                      | (3) RJ45 (FEMALE)                                                                                                                                                      |
| Side B - Connector 4                      | (5) USB A (FEMALE)                                                                                                                                                     |
| Side B - Connector 5                      | (2) 3.5MM (FEMALE)                                                                                                                                                     |
| Computer Keyboard and Mouse Interface     | PS/2; USB                                                                                                                                                              |
| Computer Monitor Interface                | DVI-D Single-Link; Displayport; HD15; HDMI; VGA                                                                                                                        |
| Console Keyboard and Mouse Interface      | PS/2; USB                                                                                                                                                              |
| Console Monitor Interface                 | DVI-D Single-Link; VGA                                                                                                                                                 |
| USER INTERFACE, ALERTS & CONTROLS         |                                                                                                                                                                        |
| LED Indicators                            | (x16) GREEN (ONLINE), (x16) RED (SELECTED AND OFFLINE), (x16) ORANGE- SELECTED AND ONLINE, POWER LED- BLUE; LAN LEDS- RED (10MBPS), ORANGE (100MBPS), GREEN (1000MBPS) |



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| PHYSICAL                        |                                                   |
|---------------------------------|---------------------------------------------------|
| Color                           | Black                                             |
| Material of Construction        | Metal                                             |
| Housing Color                   | Black                                             |
| Rackmountable                   | Yes                                               |
| Shipping Dimensions (hwd / in.) | 7.00 x 22.50 x 21.00                              |
| Shipping Dimensions (hwd / cm)  | 17.78 x 57.15 x 53.34                             |
| Shipping Weight (lbs.)          | 19.40                                             |
| Shipping Weight (kg)            | 8.80                                              |
| Unit Dimensions (hwd / in.)     | 1.750 x 17.000 x 16.000                           |
| Unit Dimensions (hwd / cm)      | 4.45 x 43.18 x 40.64                              |
| Unit Packaging Type             | Box                                               |
| Unit Weight (lbs.)              | 17.00                                             |
| Unit Weight (kg)                | 7.71                                              |
| 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, Non-Condensing                      |
| Operating Temperature           | 32° to 104°F (0° to 40°C)                         |
| COMMUNICATIONS                  |                                                   |
| Hotkey                          | Yes                                               |
| Port Control                    | Push Buttons, Hotkeys, OSD, Remote Toolbar        |
| IP Remote Access                | Yes                                               |
| Network Compatibility           | 1000 Mbps                                         |
| PORT EXPANSION                  |                                                   |
| Daisy-chainable or Cascadable   | Cascadeable                                       |
| FEATURES & SPECIFICATIONS       |                                                   |
| USB Specification               | USB 1.1 (up to 12 Mbps); USB 2.0 (up to 480 Mbps) |
| NIAP-Certified Secure           | No                                                |
| Number of Users                 | 3                                                 |
| Autoscan (Y,N)                  | Y                                                 |
| On-Screen Display (OSD)         | Yes                                               |
| Port Selection                  | Hotkey; OSD; Pushbutton                           |



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|                                      |                                                            |
|--------------------------------------|------------------------------------------------------------|
| Authentication Supported             | LDAP; LDAPS; MS Active Directory; RADIUS                   |
| Autoscan Duration                    | User-definable from 1 to 255 seconds; default of 5 seconds |
| Recommended Category Cable           | Cat5e/6 Cables                                             |
| STANDARDS & COMPLIANCE               |                                                            |
| External Power Supply Certifications | CE; FCC; UL; cUL                                           |
| Product Certifications               | cUL Listed; UL Listed                                      |
| Product Compliance                   | RoHS; CE (Europe); FCC (USA); Trade Agreements Act (TAA)   |
| WARRANTY & SUPPORT                   |                                                            |
| Product Warranty Period (Worldwide)  | 3-year limited warranty                                    |

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