

## 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

## 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

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**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.

- B064-016-02-IPG 16-Port IP KVM Switch
- (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
<b>INPUT</b>	
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
<b>POWER</b>	
Power Source Type	Power Cord
Power Consumption (Watts)	50.00
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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)
<b>PHYSICAL</b>	
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

<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% to 80% RH, Non-Condensing
Operating Temperature	32° to 104°F (0° to 40°C)
<b>COMMUNICATIONS</b>	
Hotkey	Yes
Port Control	Push Buttons, Hotkeys, OSD, Remote Toolbar
IP Remote Access	Yes
Network Compatibility	1000 Mbps
<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; 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
<b>PORT EXPANSION</b>	
Daisy-chainable or Cascadable	Cascadeable
<b>FEATURES &amp; SPECIFICATIONS</b>	
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
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
<b>STANDARDS &amp; COMPLIANCE</b>	
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)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	3-year limited warranty