

## 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 B064-016-04-IPG or by searching for AXS IP KVM Software on this website.

## NetDirector 16-Port Cat5 KVM over IP Switch - Virtual Media, 4 Remote + 1 Local User, 1U Rack-Mount, TAA

MODEL NUMBER: **B064-016-04-IPG**



## Description

This 16-port NetDirector® Cat5 IP KVM Switch is the optimal solution for remotely controlling multiple computers (combination of PS/2, USB and Serial) by up to five (one Local and four Remote) independent, simultaneous users. Both DVI and VGA console ports are included for connection of either a DVI or VGA monitor. High video resolution: up to 1600 x 1200 at 60 Hz with 32-bit color depth for the local console and up to 1600 x 1200 at 60 Hz with 24-bit color depth for remote sessions up to 164 feet (50 meters). A full-screen graphical OSD with multi-level authentication (Super Administrator, Administrator and User) allows you to quickly and efficiently manage your installation, and can be displayed in English, German, Russian, Japanese, traditional Chinese and simplified Chinese. Critical events on the installation can be tracked via email notification, SNMP traps, the Windows-based log server or Syslog server. Accessing the connected computers is a breeze. View multiple computers at the same time using panel array mode, automatically sync USB mice and access the on-screen keyboard feature in numerous language formats. Virtual Media allows computers connected using a B055-001-USB-V2 Server Interface Unit to access DVD/CD drives, flash drives and other storage media as if they were directly connected to the computer. In addition, three USB ports are located on the front panel of the unit for use with Virtual Media or an external keyboard and mouse. Also located on the front of the KVM is a USB Mini-B port that allows for direct connection of a laptop for easy console operation of the switch. Other features include FIPS 140-2 level 1 security standards support, dual power supplies that allow the unit to continue running in the event one power supply stops receiving power, temperature sensors that control the speed of the unit's cooling fans, remote authentication support via RADIUS, LDAP, LDAPS and Active Directory, dial-in modem access and non-browser access using Windows and Java applications. Constructed of heavy-duty steel housing.

## Features

- Up to 5 users (1 Local, 4 Remote) can simultaneously access the connected computers/servers
- Features two RJ45 network ports for redundant or dual-IP operation
- Includes both DVI and VGA console ports for connection of either a DVI or VGA monitor
- High video resolution: up to 1600 x 1200 @ 60Hz – 32 bit color depth for the local console; up to 1600 x

## Highlights

- Simultaneous support for 5 users (1 local, 4 remote)
- Supports IPv4, Link Local IPv6 Address and IPv6 Stateless Auto configuration protocols
- Includes both DVI and VGA console ports for connection of either a DVI or VGA monitor
- Blade server support
- Virtual Media allows computers connected using a B055-001-USB-V2 SIU to access DVD/CD drives, flash drives and other storage media from a user's remote computer as if it were directly connected
- Remote Authentication: RADIUS, LDAP, LDAPS, and Active Directory
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## System Requirements

- Remote Console Computers (Web Browser) - To access the KVM switch via web browser, your computer needs to be running Sun's Java Runtime Environment (JRE) v.6, Update 3 or higher, and your browser must support 128-bit SSL encryption.
- Browsers - The NetDirector Cat5 IP KVM switch supports the following browsers; Internet Explorer 6 and higher, Firefox 1.5 and higher, Mozilla 1.7 and higher, Safari 2.0 and higher, Opera 9.0 and higher, and Netscape 8.1 and higher.
- Remote Console Computers (non-Browser Windows or Java Client) - To access the KVM switch using the non-browser based Windows client, your computer/server must be running Windows, and DirectX 7.0 or higher must be installed. To access the non-browser based Java client, your computer must be running Sun's Java Runtime Environment (JRE) v.6, Update 3 or higher.
- Connected Computers/Servers - Computers/servers being connected to the KVM switch must have a Displayport, DVI, HDMI or VGA port and USB or PS/2 Keyboard and Mouse ports.



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- 1200 @ 60Hz with 24 bit color depth for remote sessions at up to 164 ft. (50 m)
- Supports IPv4, Link Local IPv6 Address and IPv6 Stateless Auto configuration protocols
- Blade server support
- Multi-level authentication; Super Administrator, Administrator and User
- Advanced encryption technologies - 1024 bit RSA; 56 bit DES; 256 bit AES and 128 bit SSL
- Supports FIPS 140-2 level 1 security standards
- View multiple ports at the same time using the panel array mode feature
- Virtual Media allows computers connected to the KVM using a B055-001-USB-V2 SIU to access DVD/CD drives, flash drives and other storage media from a user's remote computer as if it were directly connected
- An additional three USB ports are located on the front of the KVM for the sharing of USB peripherals.
- Also located on the front of the KVM is a USB Mini-B port that allows for direct connection of a laptop for easy console operation of the switch.
- Remote authentication support; RADIUS, LDAP, LDAPS and Active Directory
- Track critical events on the installation via email notification, SNMP traps, Windows-based Log Server or Syslog server
- Dual power supplies allow the unit to continue running in the event one power supply ceases to receive power
- Built-in sensors increase/decrease the speed of the unit's cooling fans according to the temperature
- Dial-in / Dial-out modem support
- Graphical OSD can be displayed in English, German, Russian, Japanese, traditional Chinese and simplified Chinese
- Supports 10Base-T, 100Base-T, 1000Base-T, Auto-Sense, TCP/IP, HTTP, DNS, DHCP, UDP, ARP and Ping
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- Compatible with all major operating systems
- Constructed of heavy-duty steel housing

- Operating Systems - Compatible with all major operating systems
- 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
- Hardware versions: A new hardware version (v2) of the B064-016-04-IPG was released in 2016, and it requires different firmware than was used in the previous version (v1). In the Technical Support page for the B064-016-04-IPG you will find a zip folder for the v1 KVM. In addition to including the applicable firmware, it contains a Word document 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.

#### Package Includes

- B064-016-04-IPG (4+1 User) NetDirector Cat5 IP KVM switch
- (x2) C13 to 5-15P power cords
- CD with owner's manual, quick start guide and device files
- Quick start guide
- RJ45 to DB9 adapter for dial-In modem functionality
- Grounding wire
- Set of foot pads
- Rackmount hardware

## Specifications

OVERVIEW	
UPC Code	037332151544
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
Max Number of Ports (Entire Chain)	16



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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
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
<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; Serial; USB; VGA
Local Console Ports - Port 3	(x2) PS/2 Female (via B015-000, sold separately)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal
Rackmountable	No
Shipping Dimensions (hwd / in.)	5.40 x 20.10 x 22.40
Shipping Dimensions (hwd / cm)	13.72 x 51.05 x 56.90
Shipping Weight (lbs.)	16.60
Shipping Weight (kg)	7.53
Unit Dimensions (hwd / in.)	1.720 x 17.060 x 16.270
Unit Dimensions (hwd / cm)	4.45 x 43.18 x 40.64
Unit Weight (lbs.)	12.10
Unit Weight (kg)	5.49
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32° to 104°F (0° to 40°C)



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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>FEATURES &amp; SPECIFICATIONS</b>	
NIAP-Certified Secure	No
Number of Users	5
Autoscan (Y,N)	Y
Autoscan Duration	User-definable from 1 to 255 seconds; default of 5 seconds
<b>STANDARDS &amp; COMPLIANCE</b>	
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

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