

Product Specifications

16-Port Combo IP KVM Switch

IKVM-210-16

Release 1.0

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Change History:

Revision	Date	Author	Change List
Version 1.0	2016/11/27	Brandon Wang	Initial release

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1. PRODUCT DESCRIPTION



Remotely Access your Servers from Anywhere

PLANET offers an ideal enterprise 16-port KVM switch solution for company server room or testing facilities. With the innovative IP-based technology, PLANET has turned the traditional KVM switches into true networking devices. The IKVM-210-16 captures, digitizes and compresses video signal, and then transmits it with keyboard and mouse signals through IP network. Multiple remote sites can monitor the same PC server simultaneously.

Multiple Operating Systems Supported

The IKVM-210-16 is the most cost-effective and simple solution for controlling a group of PCs in the network. Multiple computers can be managed via only one single set of monitor, keyboard and mouse directly. No software drivers or system configuration are required. iMac, Power Mac and Sun systems are also supported.

Remote Key Combination

You could set the multiple key combinations at IKVM Series. When you open IKVM software at remote client, you could use these key combinations to control these local PCs with a different OS via the internet.

Computer Switching

There are three convenient methods to access any computer connected to the installation:

- Port select button
- Hotkeys on keyboard
- OSD (on screen display) at local client and remote client

Perceptive LED Display

You could check the computer status on the front LED of the IKVM-210-16. "Red" indicates that a computer is connected to the corresponding port and "Green" indicates that the computer connected to the corresponding port has focus.

Security Protection

The two-level password security only authorizes up to one user and an administrator with a separate profile for each user. Data encryption options include AES, DES and 3DES, and they can be selected for keyboard, mouse and video signals.

Powerful Mouse/Keyboard Support

In the present computer applications, a mouse has become an indispensable device. The IKVM-210-16 fully supports all models of PS/2 mice on the market. The KVM also supports the PS/2 keyboard port of code set 1/2/3 and further allows you to use the KVM for all kinds of servers, computers or their combination.

2. PRODUCT FEATURES

➤ **Hardware**

- 1U rack-mount size and desktop design
- Standalone machine controls up to 16 sets of computers
- Up to 2 levels can be cascaded and up to 256 computers can be controlled.
- Front panel status LEDs give a clear indication of the active computers

➤ **Security**

- Two-layer password security protection
- DES, AES and 3DES for data encryption

➤ **Management**

- Auto scan mode for monitoring computers
- Requires no additional software or hardware
- Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)
- Hot pluggable: Add or remove computers without having to power down the switch
- QVS (Quick View Setting): Quickly select your computer by naming or SN number

➤ **Remote Access**

- Remotely control PC via TCP/IP and a built-in 10/100/1000Mbps Ethernet port
- High Video Quality: Resolution up to 2048 x 1536 (local side) or 1920 x 1080 (remote side)
- Sends the key combinations to a remote computer
- Administrator and multiple users with password protection
- Use of the absolute synchronistical technology of mouse to ensure the accuracy of the Windows operating system
- Expedient bandwidth control

➤ **Compatibility**

- Multiplatform support -- Windows, Linux and Sun
- Multibrowser support (IE, Chrome, Firefox)
- Supports Microsoft Intellimouse, Logitech Net Mouse and other third-party's PS/2 mice

3. PRODUCT SPECIFICATIONS

3.1 FUNCTIONAL SPECIFICATIONS

Product	IKVM-210-16	
Hardware		
Number of Ports	16 D-sub ports (15-pin)	
Control of Maximum PCs	256 by 2-tier star-type cascading (KVM-210-16 x 16)	
PC Ports	Keyboard	PS/2 female + USB type A female
	Mouse	PS/2 female + USB type A female
	Video	16 D-sub ports (15 female)
Console Ports	Keyboard	PS/2 female + USB type A female
	Mouse	PS/2 female + USB type A female
	Video	1 D-sub port (15 female)
LED	On Line	16 (red)
	Selected	16 (green)
Button	1 reset button 16 select buttons	
Remote Console	1 RJ45 port for 10/100/1000BASE-T	
Video Resolution	Local side: 2048 x 1536 (max.) Remote side: 1920 x 1080 (max.)	
Housing	Metal	
Dimensions (W x D x H)	432 x 155 x 44 mm	
Weight	2.22kg	
Power Requirement	9V DC, 1A	
Installation	1U rack-mountable, desktop	
Management		
Supported Protocol	TCP, IP, HTTP	
Client Software	IPKVM Software	
PC Selection	Port select button Hotkeys on keyboard OSD (on screen display)	
Scan Interval	5~60 seconds	
Security	User password and super password DES, AES and 3DES	
Environment & Certification		
Operating Temperature	-10 ~ 50 degrees C	
Storage Temperature	-20 ~ 60 degrees C	
Operating Humidity	0 ~ 90%	
Regulatory Compliance	CE, FCC	

3.2 PHYSICAL SPECIFICATIONS

Dimensions (W x D x H)	432 x 155 x 44 mm
Weight	2.22kg (gross weight)

➤ Front Panel



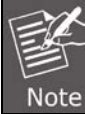
LED and button definitions

LED	Color	Function
On Line	Red	Lights to indicate that the PC is operating.
Select	Green	Press this button to select a PC port.

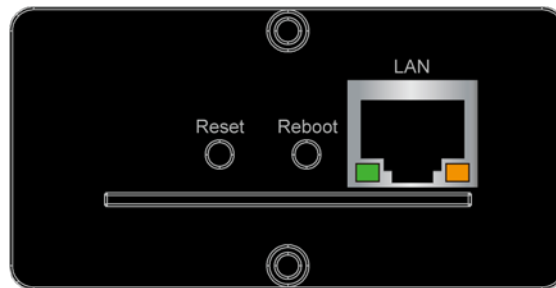
Button	Function
Reset	This button is hidden in the pinhole. Please hold the reset button for about 5 seconds to load default.

➤ Rear Panel



Interface	Description
Power Jack	<p>The input power is 9V DC.</p> <div style="border: 1px solid black; padding: 5px;">  <p>Note Use the power adapter included in the package; otherwise, it may damage the unit and result in danger.</p> </div>
USB Port	Plug USB keyboard and mouse in this port.
Computer Port	Install the KVM cable connected to a PC here.
Console Ports	<ul style="list-style-type: none"> ◆ In the Master KVM, connect the monitor, keyboard and mouse here. ◆ In the Slave KVM, connect the cable from the Master computer port here.

➤ **IP Module**



Interface	Description
LAN Port	Enable user to configure the IP KVM through a LAN or WAN.
Reboot	Restart the system.
Reset	Press for 5 seconds to reset to default. The default IP is 192.168.0.10.

3.3 ENVIRONMENTAL SPECIFICATIONS

Temperature

Operating	-10 ~ 50 degrees C
Storage	-5 ~ 55 degrees C

Operating Humidity

Operating	0 ~ 90% (non-condensing)
Storage	0 ~ 90% (non-condensing)

3.4 ELECTRICAL SPECIFICATIONS

Device Input Voltage	9V DC, 1A	
Power Adapter	Power Input	100~240, 50-60Hz, 0.4A switching power supply
	Power Output	9V DC, 1A

3.5 REGULATORY COMPLIANCE

CE, FCC

3.6 RELIABILITY

MTBF > 50,000hrs @ 25 degrees C

3.7 BASIC PACKAGING

- Combo KVM Switch x 1
- Quick Guide x 1
- IP Installation Guide x 1
- KVM Cable x 1
- Rack-mounting Kit x 1
- Power Adapter x 1

3.8 PACKAGE INFORMATION

Dimensions (W x D x H)	468 x 152 x 205 mm
Weight	3.1kg
Carton Dimensions (W x D x H)	475 x 330 x 440 mm
Carton Weight	12.9kg
Carton Unit	4 pcs in one carton

APPENDIX A: Default Setting

Default DHCP Client	N/A
Default IP Address	192.168.0.10
Default Port	80
Default Login User Name	admin
Default Login Password	admin
Search Tools	Smart Discovery