

PKX

4K HDMI KVM Switch over IP



OVERVIEW

The PKX, 4K HDMI KVM switch over IP, provides a new level of Ultra HD performance for KVM-over-IP remote management. More powerful than any other KVM-over-IP switch, it supports unblocked, Java-free anytime / anywhere, BIOS-level remote access of servers, PC's and workstations. The PKX connects to a single computer, providing un-blocked access to multiple users via laptop, PC or User Station. Manage up to 8 serial devices with the optional Dominion Serial Access Modules (DSAM).

4K ULTRA HD DIGITAL PERFORMANCE

The PKX supports access to servers with 4K video resolution (3840x2160), up to 30 frames per second with 4:2:2 color. It also supports HD resolutions up to 1920x1080 and 1920x1200 at up to 60 frames per second with high quality 4:4:4 color. The PKX has an all-digital architecture for ultra-fast video performance and high video quality, with virtual media transfer and it has user-configurable bandwidth to operate across LAN, WAN and Internet.

PRODUCTIVE DOMINION FEATURES

The PKX supports many of the popular features such as: virtual media, absolute mouse synchronization, LDAP/Radius/AD authentication, AES encryption, support for up to 8 simultaneous sessions, and much more. Users can use the Dominion KVM Clients for Java-free access, as well as the PKX User Stations for high performance access in labs, studios and control rooms.

COMMAND CENTER & USER STATION COMPATIBLE

PKX is incredibly scalable. A large number of PKX switches can be integrated through the User Station and/or our third party partner's CommandCenter Secure Gateway, with convenient single sign-on. The powerful User Station works standalone or with CommandCenter.

HIGH LIGHTS

- Single-port, unblocked, BIOS-level, KVM-over-IP access for up to 8 users
- 4K Ultra HD performance
- Digital video quality
- Up to 15X faster virtual media

FEATURES

- Ultra HD, 4K@30Hz HDMI video
- 1080p@60Hz 4:4:4
- HDMI audio
- Java-free, anytime/ anywhere access
- Input/ output device control, power-on/off PC and server
- Laptop/ PC/ user station
- New platform/ user interface
- Pass-through local port
- Manage up to 8 serial devices
- CommandCenter & user station integration

SPECIFICATION

MODEL NO.	PKX	
FORM FACTOR	Zero-U form factor, L bracket included, 3 nits rack in 1U with rack kit	
REMOTE CONNECTION NETWORK PROTOCOLS	1 Gigabit Ethernet (RJ-45) port IPv6/IPv4 dual stack, TCP/IP, Telnet, SSH, HTTPS, RADIUS, LDAP, DHCP and SNMP v2 & v3	
SERVER CONNECTION	HDMI Port with locking cord, USB-B to server USB-A port	
LOCAL CONNECTION	HDMI pass-through port. 2xUSB-A port for keyboard and mouse control	
VIDEO RESOLUTIONS	4096x2160@30Hz, 3840x2160@30Hz, 2560x1600@60Hz, 2560x1440@60Hz, 1920x1080@60Hz, 1920x1200@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1440x900@60Hz, 1400x1050@60Hz, 1360x768@60Hz, 1280x1024@60Hz, 1024x768@60Hz, 1280x720@60Hz	
TERMINAL BLOCK	Output pins: Normally Open, Normally Closed, Common (Dry Contact). Supported load: 2A/30VDC, or 0.5A/60VDC or 0.3A/125VAC Input pins: Input & Input Ground (Dry Contact). Does not support any power input.	
POWER	100-240Volt AC50-60Hz, 12.5W/ 20W max/ operating, auto-sensing power with locking cord,	
ENVIRONMENT	Operating Temperature	0°C ~ 55°C
	Storage Temperature	-20°C ~ 80°C
	Operating Humidity	20% ~ 80% RH
	Storage Humidity	10% ~ 90% RH
DIMENSION	140 x 144 x 30 mm / 5.51" x 5.67" x 1.18" (W x L x H)	
WEIGHT	650 g/ 1.42 lbs.	

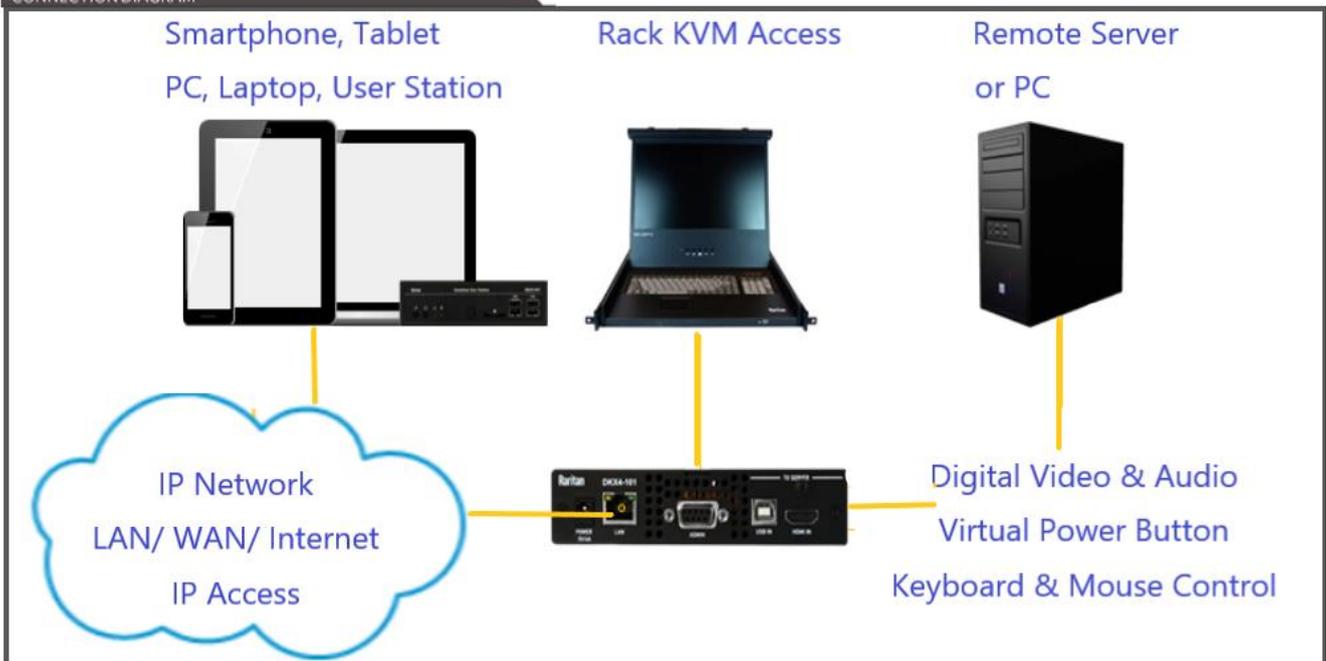
APPLICATIONS

- Broadcast & control room
- Government & military
- IT & lab administration
- Video and dynamic applications
- Remote office/ facility/ factory
- 4K application specifically

DIAGRAM

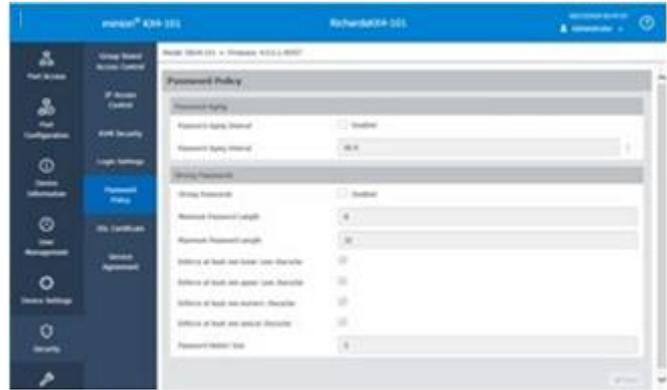


CONNECTION DIAGRAM



POPULAR PKX FEATURES

- High speed virtual media
- Absolute mouse synchronization
- LDAP, AD and RADIUS authentication
- PC share access by up to 8 users
- Configurable user group permissions
- 256-bit AES Encryption
- Dual-stack IPv6 networking
- SNMP syslog and email notifications



JAVA-FREE REMOTE ACCESS

- Out-of-band, BIOS-level access
- Three KVM client alternatives
- Java-free HKC
- Microsoft Windows, NET AKC
- Java-based VKC
- Java-free serial access via DSAM



VIRTUAL POWER BUTTON

- Remotely power on/off devices, using the external device control feature
- Wire the output terminals to the power or reset pins on the computer motherboard
- Use the web-based interface to remotely power on/off a computer system



EXTERNAL DEVICE CONTROL

- 5-pin terminal block for extender control
- Output relay control to turn on/off DC powered device such as buzzer, light or system/ computer
- Normally open or closed options
- Input terminal detect open or closed circuit to control this IP KVM switch local and remote access



Pin	Description
1	Relay Normally Open Output (NO)
2	Relay Common (C)
3	Relay Normally Closed Output (NC)
4	Input
5	Input Ground

HARDWARE FEATURES

- Preset through local port- HDMI & USB
- Gigabit Ethernet port
- 5-pin terminal block for external device input and output control
- Configure using serial port or via iPhone

via USB cable

- Power adapter with locking plug
- Factory reset button
- Included rackmount L bracket and Available 3 unit 1U bracket