

VNETX-16P

16-Port WUXGA and USB KVM Over Cat5 Switch



Control KVM (Keyboard, Video and Mouse) on 16 computers with high-resolution WUXGA video (and DVI with dongle) and OSD up to 130 feet away over Cat5

FEATURES

- Supports Mac, PC, Linux and Sun
- Supports high resolution 1920x1200 60Hz WUXGA
- Compatible with DVI using DVI dongle
- KVM control of 16 computers, rack mountable
- Uses combo KVM cable over Cat5 for consolidated connectivity
- 130 feet of signal extension over Cat5
- Supports USB 1.0/1.1/2.0 and PS/2 keyboard and mouse with full emulation
- Front panel tactile switches with LED status indicator
- Includes OSD (On Screen Display)
- Supports auto-scan mode for discovery
- Easy control and access

APPLICATIONS

- Government Operations
- Defense Applications
- Security Control Rooms
- Corporate Communications
- Server Operations
- Medical Campuses
- Airports
- Production Studios



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SMART AUDIO VIDEO INNOVATION

OVERVIEW

For the wide variety of venues where smooth and user-friendly KVM (Keyboard, Video and Mouse) control are essential, the VNETX-16P KVM switch by SmartAVI provides top-quality KVM functionality with 130 feet of signal extension. Many KVM devices use multiple cables and ports for each connected computer, but the VNETX-16P enables the use of combination KVM cables over Cat5. These handy cables bundle WUXGA video with USB and PS/2 ports together to eliminate the mess and confusion caused by running multiple cables from each computer connected to a KVM switch. Combined with the 130 feet of signal extension provided by the Cat5 connection, this KVM switch offers incredible flexibility. The device is also compatible with DVI video ports with the use of a DVI dongle, allowing for increased flexibility.

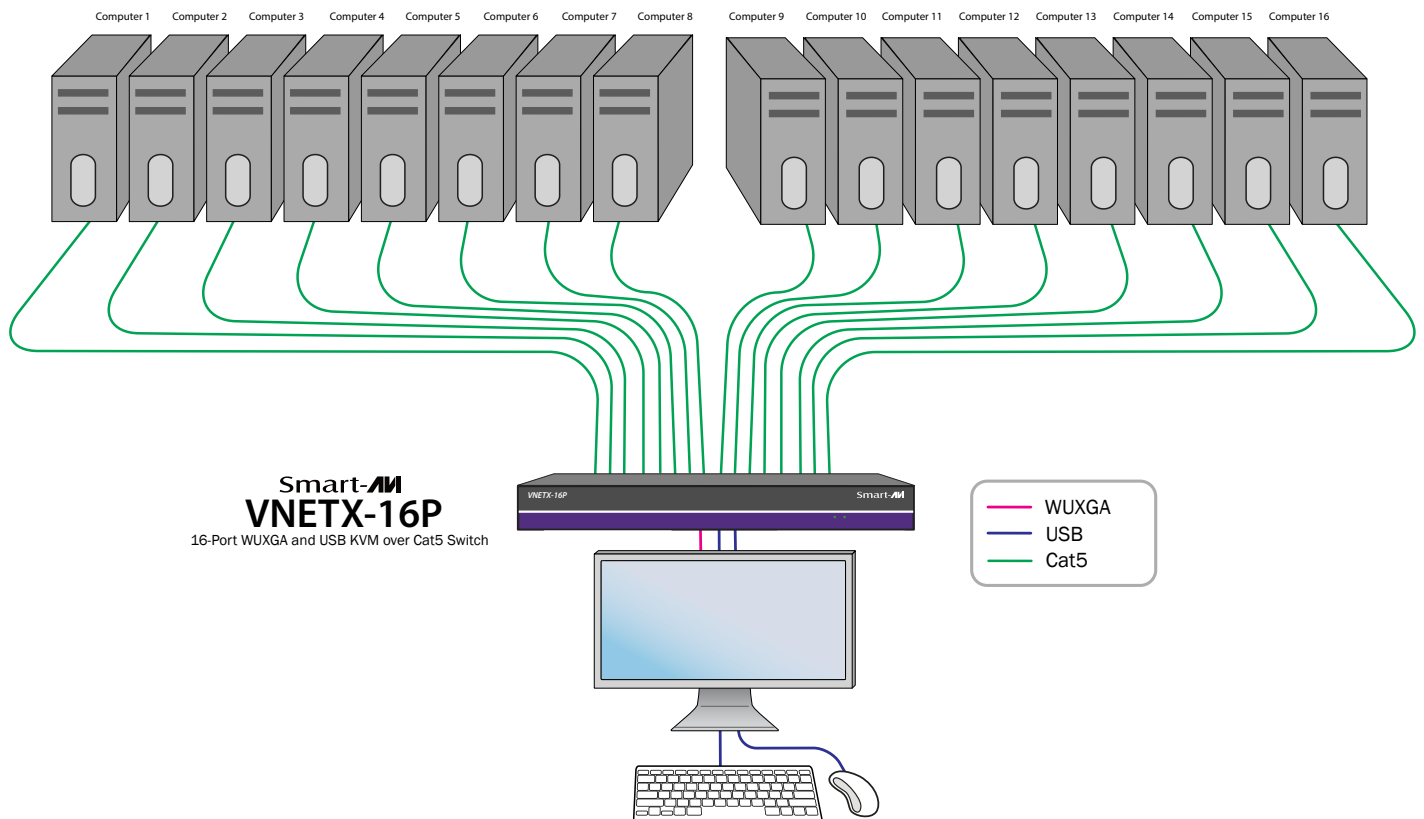
Switching control of the 16 connected computers is easy thanks to a variety of switching options. Users can switch using the front-panel switches on the device, using supported hot key functionality, or using the OSD (On Screen Display). All devices connected to the VNETX-16P are hot pluggable, enabling users to add or remove devices without needing to restart the switch. The switch supports full emulation for a keyboard and mouse via USB 1.0/1.1/2.0 or PS/2 ports with high-performance mouse tracking and synchronization. Secure access through certificate authentication and data encryption is supported. There's no software required to utilize the switch, and there is a mini USB port for firmware updates.

REAL-WORLD APPLICATIONS

The VNETX-16P has a broad range of applications, but the main function is to centralize the access of as many as 16 computers into a single workstation. The VNETX-16P is particularly well suited to medical, industrial, studio and defense applications, where it is not practical or safe to have multiple CPUs next to the workstation. The combination KVM cable used by the switch further enhances the ability of the end user to better consolidate, organize and extend their workstation in these and other environments:

- Server Collocation
- Hospitals
- Academic Campuses
- Airports
- Dealer Rooms
- Control Rooms
- Audio/Visual Presentations
- Shopping Centers
- Hotels/Resorts
- Production Studios

APPLICATION DIAGRAM



SPECIFICATIONS



VNETX-16P Front



VNETX-16P Rear



VNETX-CX1 Combined WUXGA KVM Cable over Cat5

VIDEO	
Format	VGA RGB Analog
Resolution HDTV	Up to 1600x1200 @85Hz, 2048x1536 @60Hz
Input Interface	(16) RJ-45 for Cat5
Output Interface	(1) HD-15 Female
H Frequency Range	30-95 kHz
V Frequency Range	50-180 Hz
USB	
Signaling	USB 1.0/1.1/2.0
Output Interface	(2) USB Type A, (2) PS/2
Firmware Update	(1) Mini USB

CONTROL	
Front Panel	Tact Switches
OSD	On Screen Display
OTHER	
Extension	130 ft over Cat5
Power	External adaptor DC 12V/2A
Dimensions	17.3" W x 1.5" H x 6.1" D
Weight	5 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp	32-131°F (0-55 °C)
Storage Temp	-4-185 °F (-20-85 °C)

ORDERING INFORMATION

Part No.	Description
VNETX-16PS	16-Port WUXGA, USB KVM over Cat5 Switch. Includes: [VNETX-16P & (PS12V2A)]
VNETX-CX1	Combo WUXGA KVM Cable over Cat5 for VNETX-16P.
VNETX-CXD1	Combo DVI KVM Dongle over Cat5 for VNETX-16P.



Designed and Manufactured in the USA

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