

Vi2516

Managed 16-port Extended UTP PoE Midspan



Features

- High power Midspan with built-in Ethernet extender for distances up to 3,000 ft (914 m)
- 16 ports of IEEE 802.3.af, at compliant up to 36W per port simultaneously on all ports
- Fully manageable with Windows GUI accessible through local USB port or network connection with default plug-and-play option
- Ports 1-4 can provide 72W each
- Provides full .af (12.95W) up to 3,000 ft./914 m and full .at (25.4W) up to 800 ft. (243 m)
- Provides programmable PoE power up delay per port for reducing start-up power surges
- Can provide 100Mbps data and 72W PoE for IP cameras with heaters, blowers, and high speed PTZ operation
- Managed in-rush current prevents shut down during camera events such as start-up, day/night, auto back focus heater and blower turn on, and PTZ operation
- No IP address programming or other networking setup required



Applications

- Powering IP cameras at extended distances
- Powering VoIP Phones
- Powering Wireless access points

MaxiiPower™ Vi2516 midspan is a managed 16-port extended PoE midspan designed to meet the most demanding IP camera data and PoE requirements at extended distances. It is fully manageable and provides up to 36W per port, on all ports and 72W PoE on Ports 1-4 for high power applications such as PTZ cameras. The Vi2516 provides extended distance transmission over UTP using Vigitrone's unique Symmetric Bandwidth (SBW™) technology.

With only a transceiver and no additional power source at the camera site, the Vi2516 can provide full 802.3.af, 802.3.at on all ports to PoE cameras. It is fully transparent to the Ethernet network and higher layer protocols and require no IP setting or configurations. The PoE controller provides auto mode with no programming required.

The PoE is fully manageable by an easy-to-use Windows™ based GUI that can be accessed via direct connection to the USB port or remotely over network connections. It also operates in auto mode with no programming required. Standard accessory client software provides full security, discovery for all Vigitrone Midspans' set up and individual port monitoring. The built-in Ethernet extender technology simplifies the installation and lowers the cost of the system by eliminating the need for standard PoE midspans with far limited PoE power and protection capability.

MaxiiPower™ midspans provide status LED's to indicate power and transmission status to indicate potential problem areas. The PoE is fully manageable by an easy to use GUI that can be accessed via direct connection to the USB port or remotely over network connections.

The Vi2516 is 1 U high installed in 19" racks. It ideal for a wide range of CCTV or IT applications that require high power such as IP cameras, wireless access points or VoIP installed at extended distances.



The Smart Choice for Transmission Solutions

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Technical Specification*

Electrical

Ethernet Interface	Standard 10/100BaseT
UTP	100 Ohm +/- 20%, Cat5 or better 10-BaseT: up to 3,000 ft. (914 m) 100-BaseT: up to 2,100 ft. (640 m)
Ethernet Rate	Auto select 10/100 Mbps Full speed / full duplex at maximum rated distance
Output Power	54VDC, 36W max per port on all ports 72W max per ports 1-4
PoE Budget	550W max.
AC Input Power	90 -264 V AC, 50-60 Hz, 6.5 A max.
PoE Standard	IEEE 802.3af, at up to 36W on all ports IEEE 802.3af, at, bt up to 72W on Ports 1-4
Connectors	Ethernet Input Interface: Shielded RJ-45 Extended Output Interface: Shielded RJ-45 Main Power: IEC 320-C14 inlet
Setup Port	USB or Network with Windows GUI
RFC	2544 TCP/IP Packet Transmission 768 UDP, 2068 HTTP, 793 TCP 791 IP, 1783 TFTP, 894 IP over Ethernet
Jumbo Frame Support	Up to 9,600 bytes

Environmental

Humidity	0 to 90%, non-condensing
Temperature	Operating: -10°C to +40°C Storage: -30°C to +70°C

Mechanical

Dimensions	1.6x17x12 in, 4.1x43x30.5 cm (HxWxL)
Weight	11 Lb, 5.44 Kg
Material	Sheet metal and extruded Aluminum

Accessories

- Mounting brackets for front or rear installations
- Rubber feet for desk applications
- Molded IEC 7 ft. (200 cm) power cord

* Specifications subject to change without notice.

Ordering Information

Part No.	Description
Vi2516	16-port Extended UTP Midspan

Related Products

Part No.	Description
Vi2300A	Single port Mini UTP Ethernet Extender
Vi2301A	Single port UTP Ethernet Extender
Vi2301AU	Single port UTP Ethernet Extender
Vi2300WP	Single port IP67 UTP Ethernet Extender
Vi2304A	4-port UTP Ethernet Extender
Vi2308A	8-port UTP Ethernet Extender
Vi2316A	16-port UTP Ethernet Extender
Vi2508	8-port Extended UTP Midspan
Vi2701RX	Single port Extended UTP Midspan
Vi0012	12 VDC Wall-mount Power Supply

Data and PoE Distance ¹

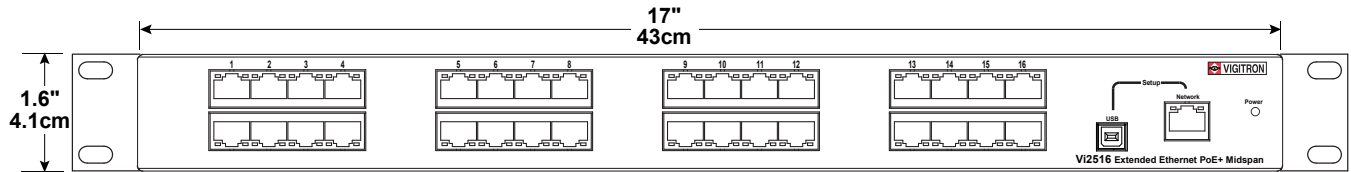
Data Rate	4-Pair ² (Data + PoE class 2)	1-Pair (Data only)
10BaseT	n/a	3,000 ft. (914 m)
100BaseT	2,100 ft. (636 m)	1,000 ft. (303 m)

- Distance figures are obtained using in house testing mirroring installations. Factors such as cabling, connections, use of power and environmental conditions may affect actual distances and should be taken into consideration.
- Specifications reflect operating using Pass Through PoE (PTP™) providing power for both transceivers and camera from a single source. Distances may increase if transceivers are locally powered.

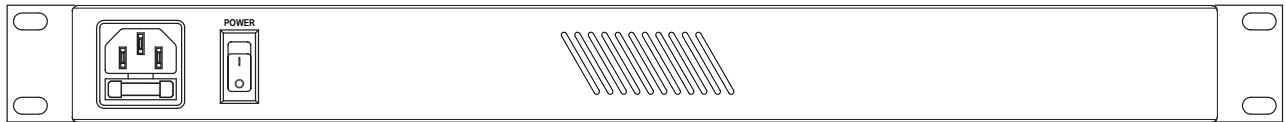


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Mechanical Drawings



Vi2516 Front View

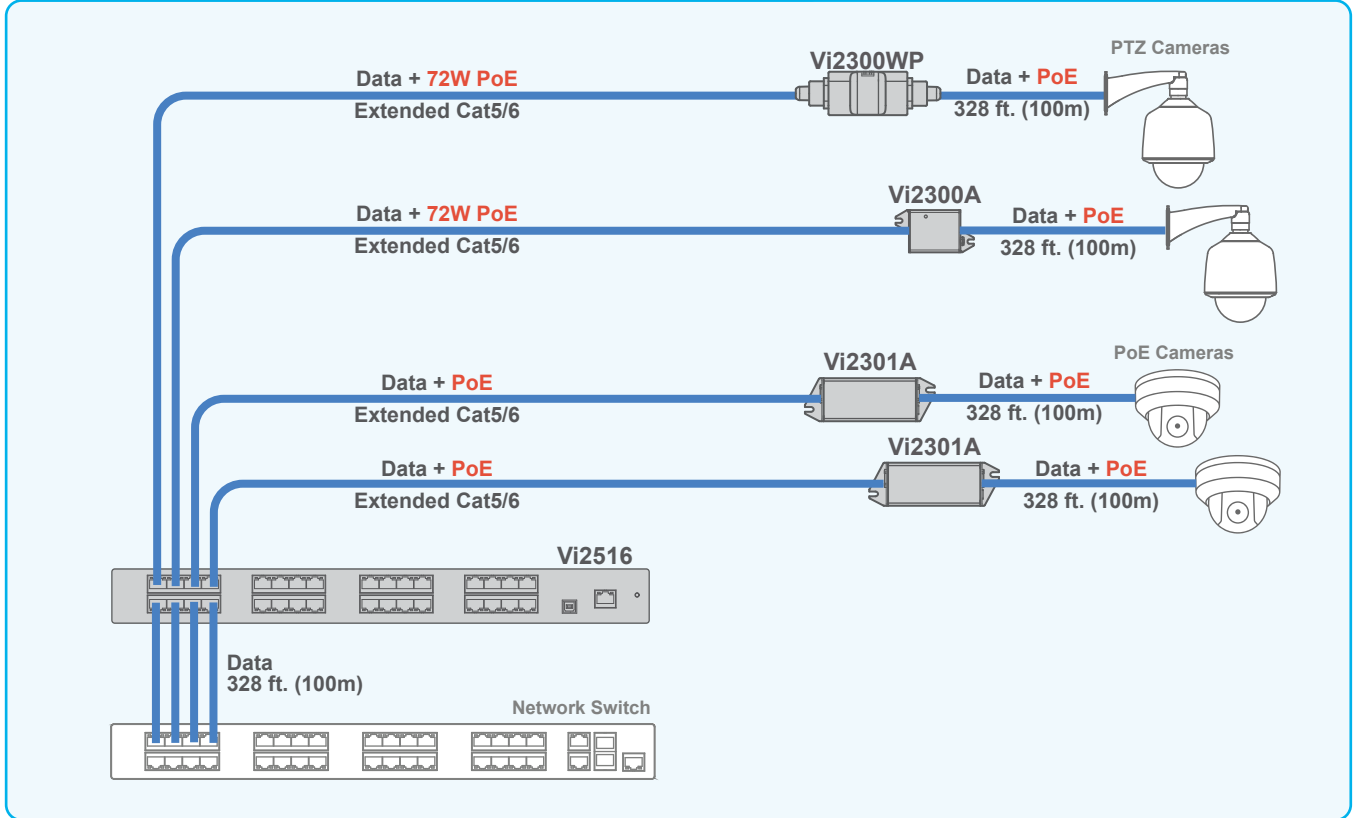


Vi2516 Rear View

Application Drawings

— Cat 5/6

Connecting Multiple PoE Cameras over Extended UTP



The Vi2516 and Vi230XXs can be used to connect multiple PoE cameras at extended distances.