



VN-6000 Series Modular Multiport InLine Power Hub

Power over LAN Data cabling for security cameras, video servers and other remote access devices



VN-6551 Single Port Model



VN-6108 In-Line Power Hub



VN-6524 3-Slot Rackmount Chassis w/24 ports



12V Power Converter

The In-Line Power Hub from VNS provides a safe and efficient way to provide power to security cameras, video servers, Wireless LAN Access Points, and other LAN Devices without the use of an external power supply for each device. Power is supplied over the existing LAN data cabling system. This greatly improves the range of installation locations for such devices, no longer requiring them to be located near a power outlet. It also adds an unprecedented level of safety and reliability for powered LAN devices.

The In-Line Power Hub is a 24 port rack mount chassis powering up to 24 devices. Each bank of 8 modules is Hot-swappable so that modules may be added to the chassis without powering down the unit. If an individual power port is damaged due to a lightning strike or power surge, the module bank may be hot swapped out without powering down the chassis or disconnecting the other devices attached to the other power ports in the chassis.

When used with an uninterruptible power supply, the In-Line Power Hub provides non-stop power for up to 24 connected devices at 15.6W (VN-6500 and VN-6500GIG) or up to 12 connected devices at 36W Max. (VN-6500HW4).

A Single Slot Chassis that holds one module, the VN-6108 is also available.

Continuous operation of powered LAN devices is assured, while costly downtime is avoided. The In-Line Power Hub also eliminates the need for costly uninterruptible power supplies to be installed for each powered LAN device, saving time and extra expense.

The In-Line Power Hub is tailored to provide maximum value in IP video surveillance applications. External power supplies normally required for cameras become unnecessary. Power is now supplied by the In-Line Power Hub System to the cameras directly over the existing LAN cabling infrastructure. A device detection circuit provides invaluable protection from over-voltage damage if an incorrect device, such as a laptop computer, is accidentally attached to the network.

The In-Line Power Hub Family also includes 20 slot and 10 slot modular chassis units which may be populated with any combination of Power modules. The individual modules are all hot swappable and fully voltage isolated from each other. These units help reduce Total Cost of Ownership by allowing individual modules to be removed or inserted while the chassis and all other modules remain operational.

Mix and match modules for support of Cisco devices, IEEE 48 volt, 24 volt or 12 volt applications within the same chassis. Power Security cameras, IP phones, Wireless access points and other low voltage devices safely and efficiently with the VNS mid-span In-Line Power Hub. A single port mode, VN-6551, is also available for single device powering applications.

Applications:

- IP Video cameras and video servers for surveillance systems
- VOIP Phones
- Wireless LAN Access Ports
- Building Control Systems

Features:

- Hot swappable modules in the 19" 3-Slot rackmount ready chassis
- Each bank is current limited for short circuit protection with power isolation of 1500 VRMS
- Each module auto-detects the power requirement and offers transparent 10/100Mb operation
- Each module has TWO diagnostic LED's
- Compatibility with IEEE 802.3af protocol



VISTA Networking Solutions

Specifications:

INTERFACES

Data Ports	24 Female RJ-45 Shielded jacks for Category 5 UTP (two pair wire) or 100 ohm STP (two pair wire). Distance: 100 meters
Power-over-Ethernet Ports	24 Female RJ-45 Data+Power jacks

ELECTRICAL

AC Power Input Voltage Connector Power Supplies Power Cord	90-264V Autoranging (46Hz – 63Hz) 3-pin with Ground Qty. 3 at 150W each Removable with IEC Connector
DC Port Power Output Power Pins Max Power/Port Max Power All Ports Active Module to Module Isolation Overload Protection	Power Enabling: IEEE 802.3af Unused pairs, pins 4,5(+), 7,8(-) 15.4W (VN-6000 and VN-6000GIG), 36W (VN-6000HW) 24*15.4W (VN-6000 and VN-6000GIG) 12*36W (VN-6000HW) 1500V RMS If current reaches 400-450mA for 300-400 milliseconds, the port shuts down
LED Indicators / Module	Detect / Power Forwarding: Blue Module Power: Green

ENVIRONMENTAL

Operating Temperature	0° to 40°C, 10%-90% non-condensing humidity
Storage	-10° to 60°C, 10% to 90% non-condensing humidity
Operating Altitude	-1000 to 10,000 ft
Heat Dissipation	1561 BTU's Total / Hr (24 ports full load, 300 BTU's / Hr at Chassis)

MECHANICAL

Chassis Type	19" Rackmount w/24 Ports
Chassis Size	17.5"W X 16.25"D X 1.75"H (Depth = 19" with Power Cord attached)
Module Type	Removable, hot swappable
Weight	10 lbs

VN-6000 Part Numbering Information

Single port Module

VN-6551 – Single Power and Data Port – IEEE 802.3af

Chassis Only

VN-6224 – 3 Slot In-Line Power Hub Chassis – 19" Rackmount ready

VN-6208 – 1 Slot In-Line Power Hub Chassis

3 Slot Chassis – Complete w/8 port modules, up to 3 modules

VN-6524 – 24 Power and Data Ports – IEEE 802.3af

VN-6516 – 16 Power and Data Ports – IEEE 802.3af

VN-6508 – 8 Power and Data Ports – IEEE 802.3af

1 Slot Chassis – Complete w/8 port module, 1 module

VN-6108 – 8 Power and Data Ports – IEEE 802.3af

3 Slot Chassis – Complete w/4 port High Power modules, up to 3 modules

VN-6512HW – 12 Power and Data Ports – IEEE 802.3af

VN-6508HW – 8 Power and Data Ports – IEEE 802.3af

VN-6504HW – 4 Power and Data Ports – IEEE 802.3af

3 Slot Chassis – Complete w/8 port Gigabit modules, up to 3 modules

VN-6524GIG – 24 Power and Data Ports – IEEE 802.3af

VN-6516GIG – 16 Power and Data Ports – IEEE 802.3af

VN-6508GIG – 8 Power and Data Ports – IEEE 802.3af

Individual Chassis Modules

VN-6500 – 8 Ports – IEEE 802.3af

VN-6500HW – 4 Ports – IEEE 802.3af – High Power

VN-6500GIG – 8 Ports – IEEE 802.3af - Gigabit support

VN-6500GIG 8 Port Gigabit Module for the 3 slot chassis

