

FEATURES

- ^ Ideal for voice and video tunneling applications
- ^ Tunnels multicast + all other Ethernet protocols
- ^ VG-500 temperature range of -20 to +70 C
- ^ External 12, 24, 48 VDC power options
- ^ VG-500 is a small, two ethernet port version
- ^ Integral 4 port switch on the trusted interface
- ^ AC and DC power supply options
- ^ POE power option (12 volts DC at the unit)
- ^ Ethernet ports: 10/100BaseT, MDI/MDIX
- ^ One asynchronous serial setup port
- ^ Easy to setup and maintain
- ^ Can be set to either client mode or server mode
- ^ Server unit supports up to 8 remote client UTs
- ^ Extensive statistics logging and diagnostic tools
- ^ AES 128, 192 or 256 bit encryption
- ^ Can be used with or without encryption
- ^ Uses UDP as the transport protocol
- ^ Remote PC appears to be on the local network
- ^ Stand alone, rack mount, DIN clip mount
- ^ Bridges 802.1Q tagged V-LAN trunks
- ^ Extensive filtering on MAC, IP, and Protocols
- ^ NAT friendly
- ^ Supports EtherPoll and EtherPath functionality



VG-500 Encrypted UDP Tunnel

DESCRIPTION

The VG-500 is a compact, industrial temperature rated device (Internet Appliance) that tunnels layer2 Ethernet. The tunnel can be encrypted with AES or non-encrypted. The VG-500 features two Ethernet LAN ports (4 port switch on trusted interface) and a serial setup port.

The VG-500 encrypts data between private networks using the public Internet or any other network as the transport. This creates a flat, bridged network, a private network within public or private networks.

The VG-500 uses AES 128, 192 or 256 bit encryption. AES is the US Government standard, selected using an open selection process, to replace DES and 3DES encryption.

The VG-500 network interfaces are Ethernet only. The serial port of the VG-500 can be used for initial setup of IP address. The VG-500 has external 12, 24 and 48 volt options.

The VG-500 can operate through firewalls with only one port of your choice opened. It can bridge all Ethernet protocols including IPX, IP, NetBEUI, and other proprietary protocols. The VG-500 is straightforward, easy to configure and maintain. The VG-500 has state-of-the-art AES encryption security without the configuration complexity of VPN.



THE POSSIBILITIES ARE ENDLESS.

SPECIFICATIONS

General

One asynchronous DE-9P RS232 serial setup port

- Two Ethernet ports, 10/100BaseT, MDI/MDIX with 4-port switch on the trusted interface
- Sustained throughput up to 10 Mbps with AES encryption mode
- Several thousand PPS throughput, depending upon packet size
- Up to 8 clients
- MAC bridging table supports 2,048 entries
- Traverses firewalls through a single port, any port, with port 22 the default port

Protocol Features

- AES 128, 192, or 256 bit encryption
- Dynamic DNS support. Current support is for sitelutions.com and freedns.afraid.org
- Web browser configuration and management from local trusted interface
- Default IP address: 192.168.0.1
- Initial setup via local serial terminal
- NAT friendly
- Serial port supports EtherPoll and EtherPath functionality

Indicators (front panel)

- Front – Power, Status
- Rear – LAN connection and LAN activity for each port

Physical/Electrical

Power requirements: 10 to 18VDC, 12 volts nominal, 6 watts

12, 24, 48, 125 VDC and 240 VAC options are available

Supplied with 120 VAC, 19 watt external supply

5" x 3.75" x 1"

One pound

Environmental

- Operating Temp: -20 to +70 C
- Storage Temperature: -50 to +85 C
- Humidity: <95% Non-condensing

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