DATA COMM FOR BUSINESS

UT-6602 Encrypted UDP Ethernet Tunnel

UT-6602 Front and Rear View

FEATURES

- Creates encrypted or non-encrypted tunnels
- UT Client software is available for PCs
- Industrial temperature -20º to +70º C
- AC and DC power supply options
- 10/100BaseT ethernet ports
- Supports USB cellular broadband modems
- Supports internal miniPCI Express cell modems
- Supports dynamic DNS
- Supports 802.11 Wi-Fi with mini-pci cards
- Supports 4.9 GHz public safety licensed band
- Each port is independent
- Easy to setup and maintain
- Server unit supports up to 50 client ETs
- Set up unit as server, client device or both
- Extensive statistics logging and diagnostics
- Tunnels multicast + all other ethernet protocols
- AES 128, 192 or 256 bit encryption
- Any port can be set as a failover backup port
- Bridge/Tunnel supports 4,096 MAC addresses
- Remote PCs appear to be on the local network
- Bridges 802.1Q tagged V-LAN trunks
- Extensive filtering on MAC, IP, and Protocols
- NAT friendly

Tunnel ethernet through private networks and/or the Internet. Use for VOIP, video, manage/monitor remote equipment, send multicast data over the Internet.

DESCRIPTION

The UT-6602 creates an ethernet layer 2 tunnel, encrypted or non-encrypted, through any IP network. It features three Ethernet LAN ports, two USB ports, one optional 802.11 Wi-Fi port, and a serial port for initial setup.

The UT-6602 encrypts data between private networks using the public Internet or any other network. The UT-6602 supports USB cellular broadband modems. The UT-6602 can be a server unit for other UT-6602s, UT-3300s and PCs running the UT Client software. The UT-6602 can connect as a client to the server, or be both client and server. The UT-6602 support up to 50 client UTs, the UT-3300 supports 8 remote UT clients.

The UT series uses AES encryption which is replacing DES/3DES encryption.

The UT-6602 trusted encryption port is ethernet 10/100BaseT. The WAN data port is Ethernet, USB cell broadband, or 802.11 Wi-Fi (station). WAN port data can be sent encrypted or unencrypted.

The UT series operates through firewalls and requires only one UDP/IP port, which can be any port. All ethernet protocols are bridged, including multi-cast, IPX, IP, NetBEUI, etc. The UT series is straight-forward, easy to configure and maintain. The UT series has state-of-the-art AES encryption security without the configuration complexity of VPN.

The server typically has a fixed IP address. Clients can have fixed IP addresses or use DHCP to obtain their address. Dynamic DNS is also supported.

Applications for the UT Series

- Mobile tunnel clients and servers
- Tunnel multicast voice and video
- Serve remote offices
- Create tunnels to support remote equipment
- Tunnel remote locations to a main site for single point firewalls
- Tunnel to remote sites for remote equipment access and maintenance
- Provide secure dispersed networks

SPECIFICATIONS

General
- One asynchronous DE-9P RS-232 serial port for setup
- Three ethernet ports, 10/100 BaseT, MDI/MDIX
- USB support for cellular broadband modems
- 802.11 Wi-Fi support using Ubiquiti Atheros cards at 900 MHz, 2.4 GHz, 4.9 GHz (public safety licensed band) and 5.8 GHz
- MiniPCI Express internal EVDO modem option
- Sustained throughput of 10 Mbps with AES, greater with encryption disabled
- Supports up to 50 ET client devices
- Bridge/tunnel supports 4,096 MAC address table entries
- Uses just a single port, any port, with port 22 the default port

Protocol Features
- UDP is the transport protocol used between UT devices
- AES 128, 192 or 256 bit encryption
- Dynamic DNS support. Current support is for sitelutions.com and freedns.afraid.org
- Automatic failover for critical links
- Web browser configuration and management from local trusted interface
- Default IP address: 192.168.0.1
- Initial setup via local serial terminal
- Supports 802.1Q VLAN
- Extensive filtering on MAC, IP, and Protocol
- Tunnels multicast packets
- NAT friendly

Indicators
Front - Power
Rear – LAN connection, LAN activity

Physical/Electrical
- Power requirements: 7-18VDC, 4 watts
- Up to 2 Amps required for 802.11 radio cards
- 12, 24, 48, 125 VDC and 240 VAC options are available
- Supplied with 100-240 VAC external supply
- Dimensions: 6 ¼" x 6" x 1"
- Shipping weight: 2 pounds

Environmental
- UT-6602 Operating Temp: -20° to +70° C
- Storage Temperature -50° to +85° C
- Humidity: Non-condensing

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APPLICATION