



FT-6606/FT-6632 FIPS Encrypted Ethernet Tunnel



FT-6606



FT-Soft



FT-6632 Front View

FEATURES

- **FIPS certified encryption module**
- **The FT-6606/6632 create encrypted tunnels**
- **FT-6606 temperature 0° to +40° C**
- **FT-6632 +10° to +40° C**
- **FT-6606 AC and DC power supply options**
- **10/100/1000BaseT Ethernet ports**
- **FT-6606 3 configurable (trusted or untrusted) ports**
- **FT-6632 1 Trusted port, 1 Untrusted ports**
- **Easy to setup and maintain**
- **FT-6606 supports 40 Mbps up to 25 client units**
- **FT-6632 supports 720 Mbps to 50 client units**
- **Operates as server, client, or client & server**
- **Extensive statistics, logging and diagnostics**
- **Tunnels at the Layer 2 level, including multicast**
- **Ethernet to Ethernet**
- **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**
- **Transports data using either TCP/IP or UDP**
- **UDP transport is ideal for voice and video**
- **Works well with FT-Soft software client**
- **Remote access to customer networks**

DESCRIPTION

The FT-6606/6632 creates an encrypted tunnel through IP networks. The FT-6606 features three Ethernet LAN ports and a serial port for initial setup, the FT-6632 2 Ethernet ports and a serial port.

The FT-6606/6632 encrypts data between private networks using the public Internet or any other network as the transport. The FT-6606/6632 can be a server, a client or simultaneously a client & server device. As a server, the FT-6606 supports up to 25 simultaneous clients. The FT-6632 support up to 50 clients.

The FT-6606/6632 Ethernet user data transport can be either TCP/IP or UDP. UDP is preferred for wireless links, for voice and for video transport. An FT server can support UDP and TCP/IP simultaneously.

The FT series uses a FIPS certified encryption module. AES is used for the bulk data encryption. SHA1 is used for signing and RSA 2048 for key exchange and authentication. A USB memory device is used for certificate information storage.

The FT-6606 and FT-6632 Ethernet ports are 10/100/1000BaseT. The serial port can be used for initial IP setup. The FT's are setup and managed using a browser. The server has a fixed IP address. Clients can use DHCP or fixed IP addresses.

The FT series operate through firewalls with only one port of your choice opened. It bridges all Ethernet protocols including IPX, IP, NetBEUI, and other proprietary protocols. The FTs are straight-forward, easy to configure and maintain. They have state-of-the-art AES encryption security without the configuration complexity of VPN.

Applications for the FT Series

- Utilities, gas and oil production, pipelines
- Law Enforcement – Remote offices
- Medical – Meets HIPPA requirements for securely sending medical data
- Secure video and/or voice transmission
- Financial industry
- Remote office PCs sharing
- Government applications for NIST/FIPS
- Securely bridge networks over the Internet for lower line costs
- Remote network monitoring via the Internet
- Voice over IP radio dispatch using multicast

FT-6606/FT-6632 – FIPS Encrypted Ethernet Tunnel/Bridge

SPECIFICATIONS

General

- FT-6606, FT-6632 - One asynchronous DE-9P RS-232 serial port for setup
- FT-6606 - Three Ethernet ports, 10/100 BaseT
- FT-6632 – Two Ethernet ports, 10/100/1000 BaseT
- USB Port for certificate information storage
- FT-6606 sustained throughput of 40 Mbps
- FT-6632 sustained throughput of 720 Mbps half duplex 360 full duplex
- FT-6606 supports up to 25 client devices, FT-6630 - 50 clients
- FT-Soft performance is determined by the PC workstation
- The FT-6606 & FT-6630 use an embedded FIPS 140-2 validated cryptographic module (Certificate #1747) running on a Linux x86 platform per FIPS 140-2 Implementation Guidance section G.5 guidelines

Protocol Features

- TLS ver 1.0, AES 256 bit encryption
- Optional UDP transport for Ethernet data with AES 256 bit encryption. When in UDP mode, certificate exchanges and authentication use TCP/IP
- Web browser configuration and management from local trusted interface
- Robust failover features
- Default IP address: 192.168.0.1
- Initial setup via local serial terminal
- Supports tunneling of 802.1Q VLAN
- Extensive filtering on MAC, IP, and Protocol
- Tunnels multicast packets (Layer 2 tunneling)

Indicators

Front - Power, port activity
Rear – LAN connection, LAN activity

Physical/Electrical

FT-6606

- Power: 12 VDC, 4 to 10 watts varies with load
- 12, 24, 48, 125 VDC and 240 VAC options are available
- Supplied with 100-240 VAC external supply
- Dimensions: 6 5/8" x 6 1/4" x 1 1/4"
- Shipping weight: 5 pounds
- Temperature rating 0C to +40C

FT-6632

- Power: 100-240 VAC Typically 75 watts
- Dimensions: 10.5" x 16.8" x 1.25" plus rack brackets
- Shipping weight: 12 pounds

Environmental

- FT-6606 Operating Temp: 0° to +40° C
- FT-6632: +10° to +40° C
- Storage Temperature -50° to +85° C
- Humidity: Non-condensing



Data Comm for Business, Inc.

2949 CR 1000 E

Dewey, IL 61840

Voice 8004DCBNET

(800.432.2638)

Fax 217.897.8032

Email www.dcbnet.com/contact.html

Web <http://www.dcbnet.com>



APPLICATION

