



FT-6602/FT-6630 FIPS Encrypted Ethernet Tunnel



FT-6602 Front and Rear View



FT-6630 Front View

FEATURES

- FIPS certified encryption module
- The FT-6602/6630 creates encrypted tunnels
- FT-6602 industrial temperature -20° to +70° C
- FT-6630 +10° to +35° C
- FT-6602 AC and DC power supply options
- 10/100BaseT Ethernet ports
- 1 Trusted port, 2 Untrusted ports
- Easy to setup and maintain
- FT-6602 server mode supports up to 25 clients
- FT-6630 supports up to 50 client FT 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 either TCP/IP or UDP
- UDP transport is ideal for voice and video

**Tunnel Ethernet through private nets and/or the Internet. Use for VOIP, video, manage or monitor remote equipment, transmit multicast data over the Internet. Uses FIPS 140-2 validated encryption module.
Call DCB... 1-800-432-2638**

DESCRIPTION

The FT-6602/6630 creates an encrypted tunnel through IP networks. The FT-6602 features three Ethernet LAN ports and a serial port for initial setup, the FT-6630 2 Ethernet ports and a serial port.

The FT-6602/6630 encrypts data between private networks using the public Internet or any other network as the transport. The FT-6602/6630 can be a server, a client or a client & server device. As a server, the FT-6602 supports up to 25 simultaneous clients. The FT-6630 support up to 50 clients.

The FT-6602/6630 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-6602 Ethernet ports are all 10/100BaseT. The FT-6630 Ethernet ports are 10/100/1000. The serial port can be used for initial IP setup. The FT's are typically setup and managed using a browser. The server has a fixed IP address. Clients can use DHCP or have 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 an FT-6602
- 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-6602/FT-6630 – FIPS Encrypted Ethernet Tunnel/Bridge Appliance

SPECIFICATIONS

General

FT-6602 & FT-6630 - One asynchronous DE-9P RS-232 serial port for setup

- FT-6602 - Three Ethernet ports, 10/100 BaseT
- FT-6630 – Two Ethernet ports, 10/100/1000 BaseT
- USB Port for certificate information storage
- FT-6602 sustained throughput of 13 Mbps, FT-6630 - 110 Mbps
- FT-6602 supports up to 25 client devices, FT-6630 - 50 clients
- Bridge/tunnel supports 4,096 MAC address table entries
- **The FT-6602 & FT-6630 use an embedded FIPS 140-2 validated cryptographic module (Certificate #918) 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-6602

- Power: 7 to 18 VDC, 6 watts
- 12, 24, 48, 125 VDC and 240 VAC options are available
- Supplied with 100-240 VAC external supply
- Dimensions: 6 ¼" x 6 ¼" x 1"
- Shipping weight: 5 pounds

FT-6630

- Power: 100-240 VAC
- Dimensions: 1.7" x 16.8" x 14"
- Shipping weight: 20 pounds

Environmental

- FT-6602 Operating Temp: -20° to +70° C
- FT-6630: +10° to +35° 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 217.897.1331

Email www.dcbnet.com/contact.html

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

APPLICATION

