



XT-6636

Encrypted L2 Tunnel via L3 UDP or TCP/IP



XT-6636

FEATURES

- **The XT-6636 is ideal for tunneling voice and video multicast Ethernet.**
- **Supports TCP or UDP transport protocols making it compatible with all UT and ET products**
- **128, 192 or 256 bit AES encryption with throughput rates up to 850 Mbps**
- **Packet rates up to 84000 packets per second**
- **Independent untrusted interfaces allow dual transport paths for redundancy**
- **Easy to set up and maintain using web interface**
- **Configure as server, client or as both client and server**
- **Server mode supports up to 200 clients**
- **Extensive statistics logging and diagnostics**
- **Bridge/Tunnel supports 4,096 MAC addresses**
- **Functions like a Layer 2 switch spread out over a WAN**
- **Bridges 802.1Q tagged VLAN trunks**
- **Ethernet filtering on MAC, IP, and Protocols**
- **1U 19" rack form factor**

DESCRIPTION

The XT-6636 is a 1U, 19 inch Internet appliance device that tunnels layer 2 Ethernet over a Layer 3 transport. The tunneled traffic can be encrypted with AES or can be non-encrypted. The device features eight Ethernet LAN ports and a USB serial port for initial setup. All LAN ports are 10/100/1000 Mb Ethernet.

The XT-6636 interoperates with other members of the XT family and is also backwards compatible with the older UT and ET product families. It is a suitable replacement for the discontinued XT-6632 and UT/ET-6630 products.

The XT products utilize a Server/Client communication model. The XT-6636 may be deployed as either a server or a client. As a server, it can support up to 200 client devices.

The XT series easily operates through firewalls requiring only one open TCP or UDP port. The port may be selected by the user. Most deployments require only a single port-forwarding entry in the firewall router at the server location.

The XT products bridge all Ethernet protocols including IPX, IP, NetBEUI, and other proprietary protocols. Any Ethernet protocol with a maximum MTU of 1526 is supported.

The XT-6636 can be configured with multiple untrusted WAN ports, allowing for failover in the event that a primary network path fails.

The XT-6636 can be configured with multiple trusted LAN ports, allowing multiple devices to be placed behind the XT-6636 without the need for an external switch. However, an external switch may be used to increase the number of end devices placed behind the XT-6636.

Applications for the XT Series

- Utilities – Critical Infrastructure
- Encrypt sensitive data,
- Tunnel multicast voice and video through public and/or private networks
- Serve remote/home offices over tunneled networks to ease network administration, provide remote file and printer access
- Tunnels to support remote equipment
- Mobile remote access

XT-6636 – Encrypted Ethernet Tunnel Bridge Appliance

SPECIFICATIONS

General

- One RS232 serial port for initial setup
- Eight Ethernet ports, 10/100/1000Mb MDI/MDIX
- Two SFP Ethernet ports
- Sustained throughput of 850 Mbps with AES 256 enabled.
- Supports up to 200 client devices
- Bridge/tunnel supports 4,096 MAC address table entries
- UDP tunneling of serial data using RS232 serial port

Protocol Features

- AES 128, 192 or 256 bit encryption
- Dynamic DNS support
- Automatic failover for critical links
- Web browser configuration and management from local trusted interface
- Default IP address: 192.168.0.1
- Initial setup via RS232 serial port
- Supports 802.1Q VLANs
- Filtering on MAC, IP, and Protocol
- Tunnels multicast

Indicators

Front - Power

Rear – Power, SSD activity, LAN connection, LAN activity

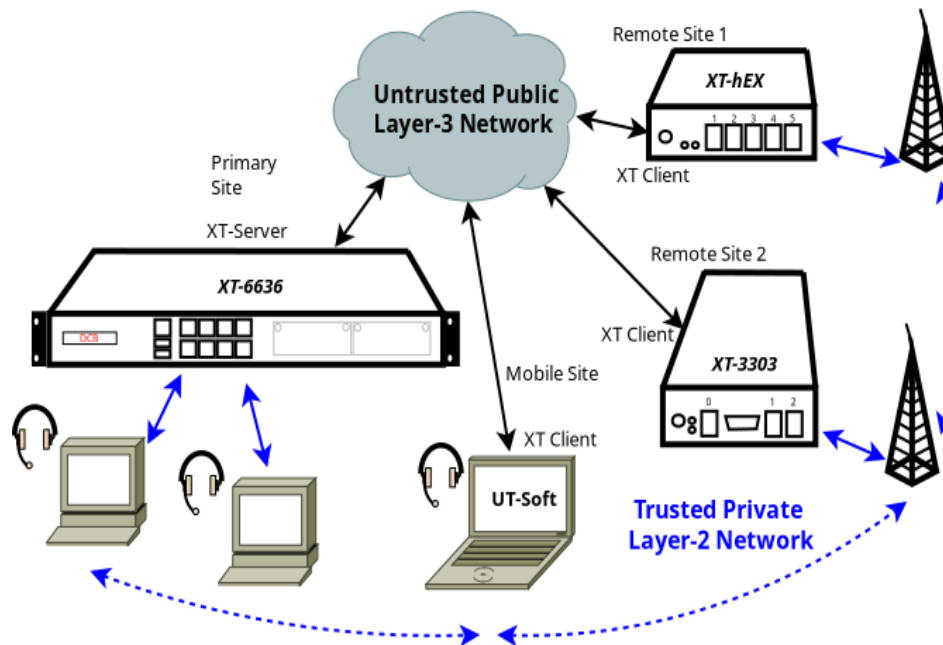
Physical/Electrical

- Power requirements: 100-240 VAC
- Internal 400W power supply
- Dimensions: 17.7" x 16.93" x 1.73"
- Device weight 13.25 pounds
- Shipping weight: 21 pounds

Environmental

- XT-6636 Operating Temp: 0° to +45° C
- Humidity: 10 – 90% relative humidity, non-condensing
- Approvals: UL (Power Supply), FCC Class A, CE, RoHS
- Export: ECCN 5A002, License exception ENC (pending classification)

EXAMPLE APPLICATION



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