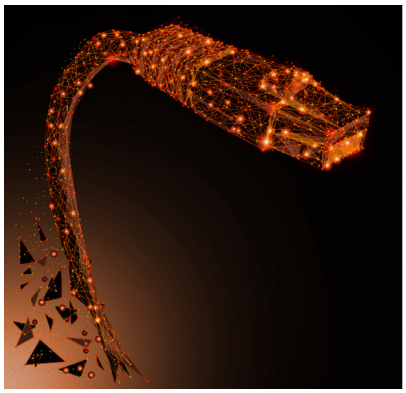
Engage Communication

T1 MUX VF E&M SUPER



Qty4 Balanced 4-Wire 600 ohm VF E&M PTT Interfaces

Voice with E&M Signaling Multiplexed onto T1 Circuits

The T1 MUX VF E&M SUPER has four E&M balanced 4-Wire 600 ohm Voice Frequency interfaces with Push to Talk Relay transfer signaling that are multiplexed onto 4 T1 Circuits.

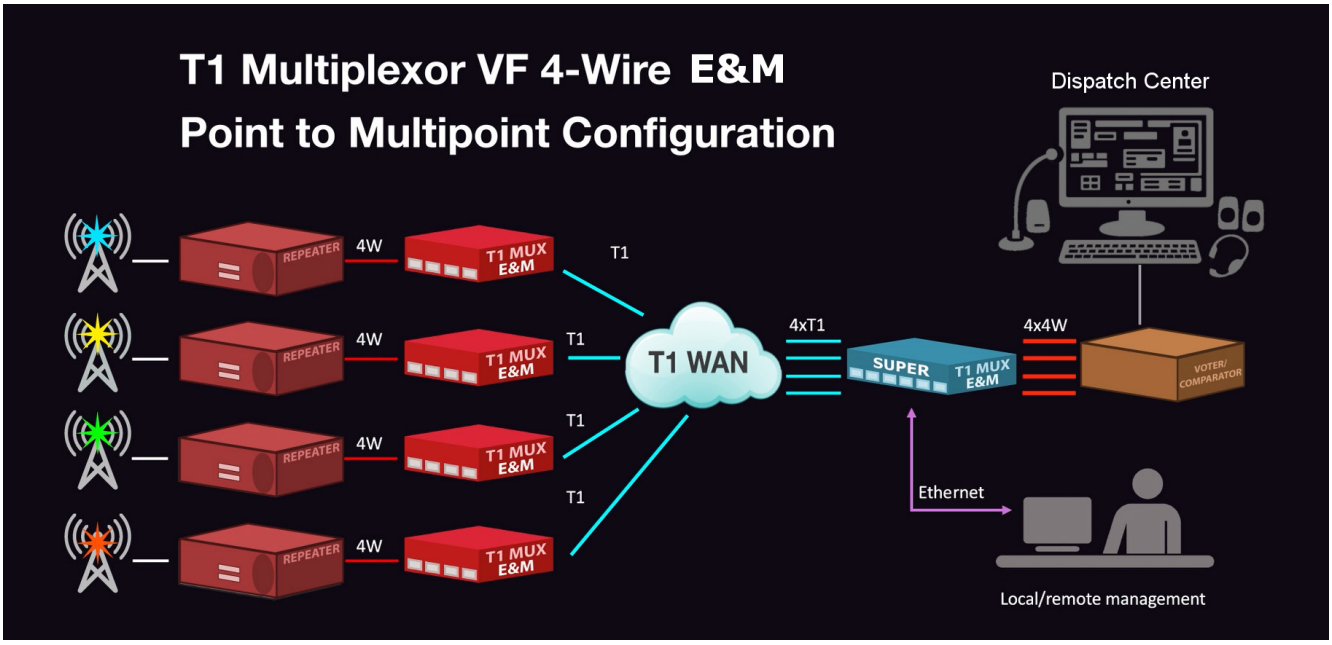
Interconnect 600Ω analog, audio and intercom devices such as Radio Wireline, FSK modems, and teleprotection relay controllers over T1 Circuits.

The T1 MUX VF E&M SUPER employs high resolution Analog to Digital circuitry that maintains the quality of the original audio signal. The PCM CODEC converts 600 Ohm Analog Voice Band into Pulse Code Modulated u-Law G.711.

Public Safety Radio Tower Wireline Audio over T1 Circuits

A primary application for the T1 MUX VF is the conversion of Voice Grade 4-Wire circuit interfaces with PTT, that connect Public Safety Radio Base Stations to concentrator hubs.

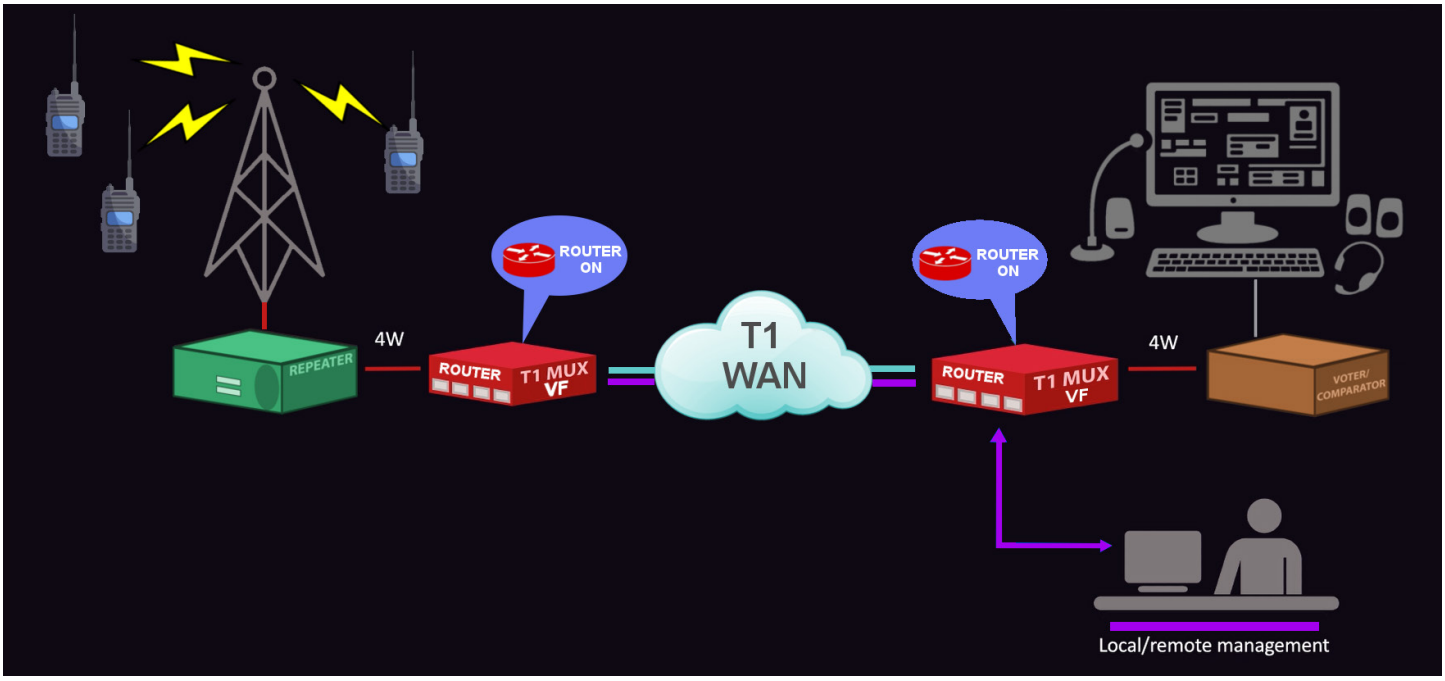
Some application require multiple remote locations to be connected to a central dispatch center. One of the unique advantages of the SUPER is the ability to have a single 4port device located at the central site that is able to talk to 4 separate remote locations across 4 independent T1 circuits.



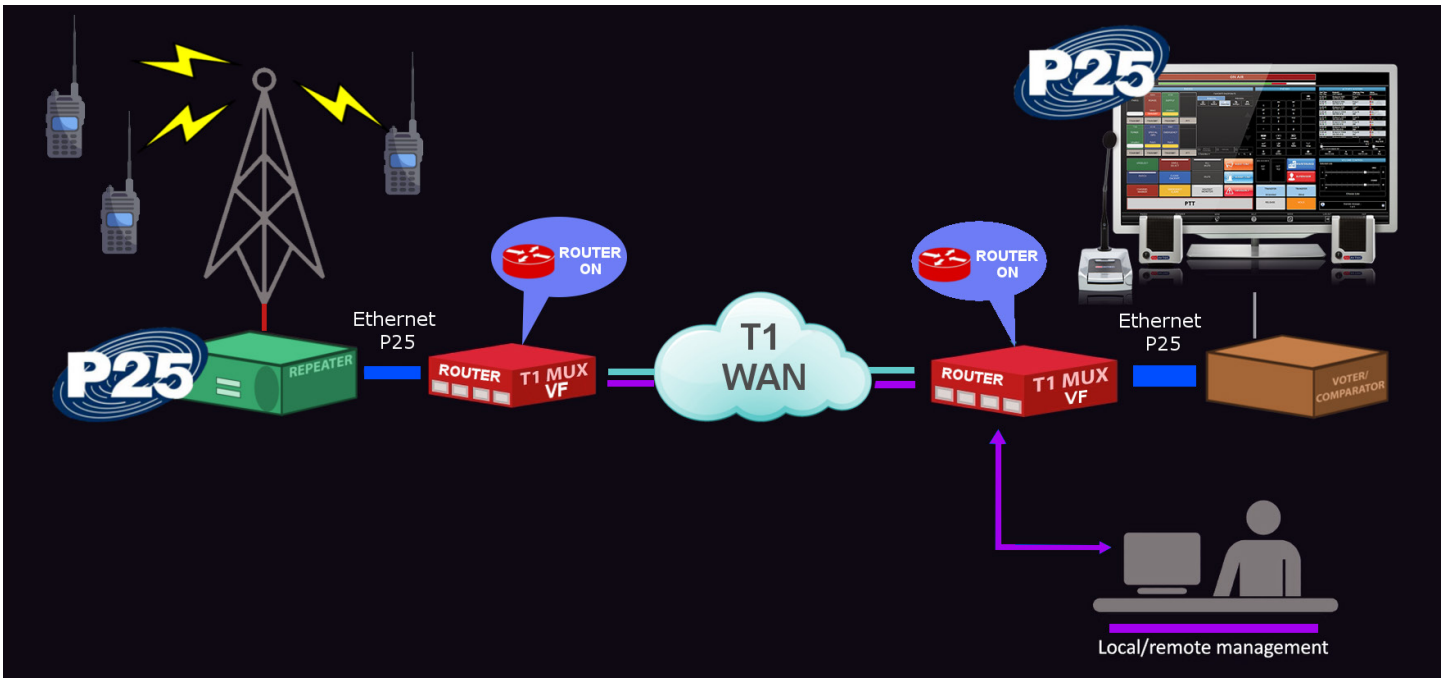
T1 MUX VF E&M SUPER

(OPTION: MUX-ROUTER)

The T1 MUX VF can come equipped with routing capabilities ensuring that Management can be routed across the T1 and the remote T1 MUX VF can have its configuration updated all from the central location. The MUX-ROUTER option also allows for a future proof ready path for a transition to P25.



Future proof transition to a P25 digital radio solution-



Related Products: Standard T1 MUX VF E&M Qty2 4-Wire Analog interfaces

Another model for this solution is the **Standard T1 MUX VF E&M**.

The **Standard T1 MUX VF E&M** comes with Qty**2** 4-Wire Analog PTT E&M interfaces with the ability to go over Qty**2** independent T1 circuits. This model is effective for smaller sites that don't have a high count of 4-wire interfaces at a single location. The Super T1 MUX VF E&M is compatible and can talk to Standard T1 MUX VF E&Ms and it comes in a 7" wide enclosure more ideal for saving rack space. The **MUX-Router Option** is available on both models.

T1 MUX VF E&M SUPER

Technical Specifications

Four T1 Interfaces:

- Framing: ESF or SF/D4
- Line Coding: B8ZS or AMI
- Line Rate: 1.544 Mbps
- Receiver Sensitivity: 0dB to -36dB
- Line Build Out: 0 - 655 ft. (0, 7.5, 15, 22.5 dB)
- Supports DS0 assignments from 1 to 24

Four 4-Wire VF E&M PTT Interfaces:

- 4-Wire Full Duplex Voice; 600 Ohm Balanced
- Supports Push to Talk Relay transfer signaling
- Frequency 200 to 3400 Hertz
- CoDec: G711; uLaw

LAN Network Interface:

- LAN1 10/100 Base T

Management:

- Secure Socket Shell - SSH V2 - Session Encryption
- Telnet
- Console Port: RJ45 RS232 DTE
- NOTE: MUX-ROUTER option is required for Remote Management across the T1 Circuit

Regulatory:

CE • Safety -IEC60950 • EMC - CFR 47 Part 15 Sub Part B:2002, EN55022:1994+A1&A2, EN55024, ICES-003 1997, CISPR 22 Level A

Dimensions:

- Dimensions: 10" (L) x 19" (W) x 1.75" (H)

Environmental:

- (-10°C to 60°C) operating temperature
- Up to 90% operating humidity (non-condensing)

Power:

- 100-240 VAC, IEC C14 Input
- DUAL REDUNDANT 10-30 VDC Screw Terminal

How to Order — T1 MUX VF		
Part No.	Description	Notes
SUP-T1MUX-04-VFEM4W-04	4 Balanced 4-Wire 600 ohm VF E&M PTT Interfaces, 4 T1 Interfaces	
	Software Options	
MUX-ROUTER	Equipped with routing capabilities (useful for Remote Management across the T1 Circuit and P25 Future Transition)