Megaplex-1

Multiservice Pseudowire Access Gateway

RAD's Megaplex-1 is a compact, highly reliable multiservice access node that transports analog and TDM traffic originating from legacy circuit-switched devices, over packet switched networks (PSNs). It is specifically designed to address the needs of critical infrastructure network operators who are migrating to next-generation Ethernet or IP/MPLS communications. This includes utilities, transportation operators and government agencies.

Part of
RAD's Service Assured
Networking Solutions

RAD

Your Network's Edge®

Megaplex-1
Multiservice Pseudowire Access Gateway

Key Takeaways:

- Ideal for **mission-critical** communications

- **Seamless service migration** to next-generation communication networks with a scalable TDM over packet pseudowire engine

- **Comprehensive multiservice** support for Ethernet, PDH, high and low speed data, analog voice, and Teleprotection devices

- **Maximum service uptime and reliable resiliency** with ultra-fast hitless restoration

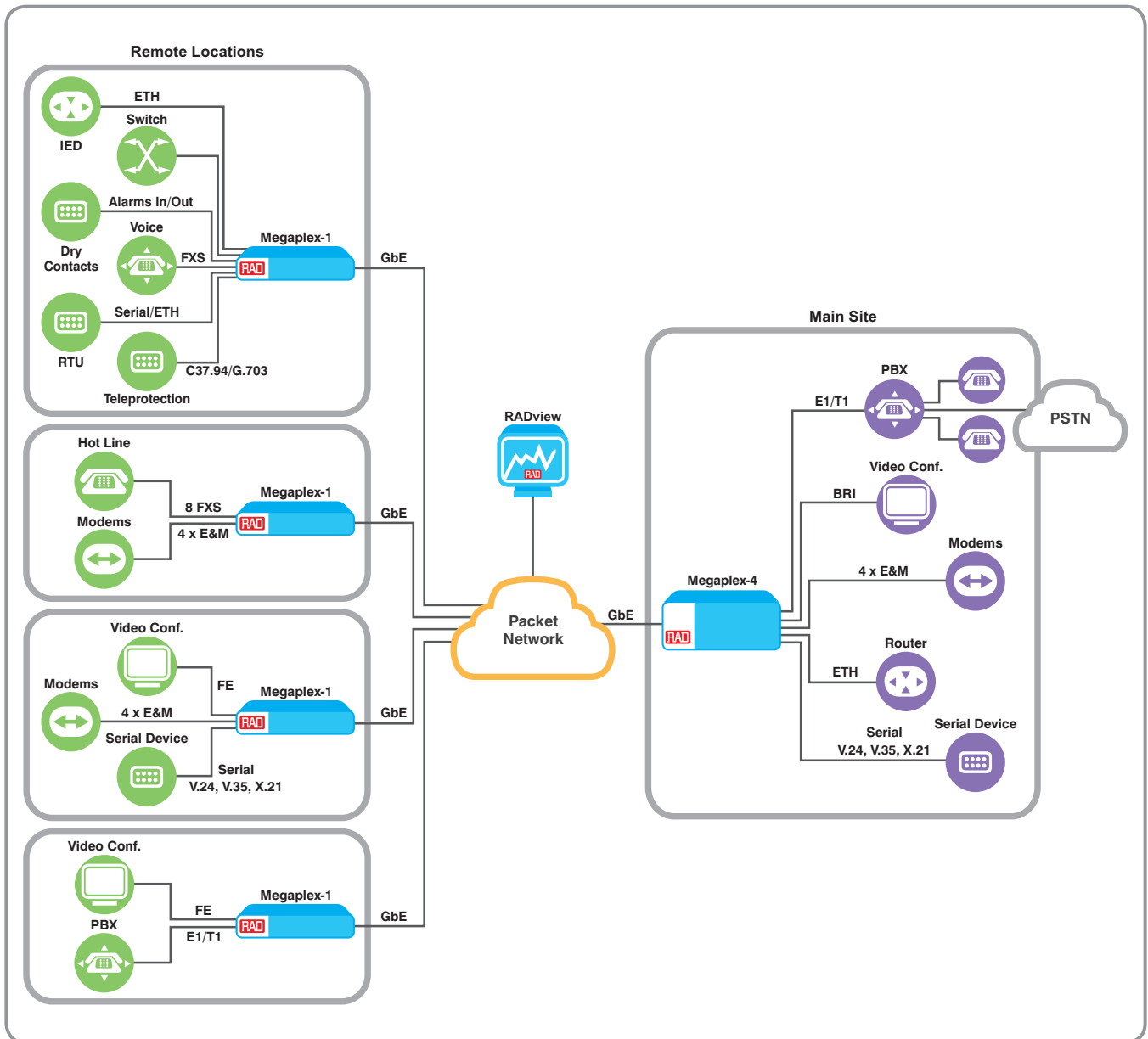## Use Megaplex-1 for:

| Utilities

- Multiservice Operational WAN for Power Utilities

- Ruggedized Substation LAN for Power Utilities

- Distance and Differential Protection Communications

- Multiservice Operational WAN for Oil & Gas Utilities

- Water Utility Communications

| Transportation

- Multiservice Operational WAN for Trains and Metros

- Multiservice Operational WAN for Air-Traffic Control

- Ruggedized LAN for Airport Communications

Critical Infrastructure Remote Site Connectivity over Packet Networks

Quick Specs:

- Grooming and transmitting analog voice and TDM-based services over packet, using standard pseudowire technology

- Wide range of services: E1/T1, FXS/E&M, Teleprotection IEEE C37.94, programmable serial ports, and more

- PWE redundancy per tunnel for ultra-fast hitless restoration

- Bridge functionality with 2 x optical/copper GbE uplinks and 1 FE user interface

- 1U-high 19" fanless enclosure with redundant, wide range power supply (AC & DC)

- Additional capabilities available with RAD's smart SFPs

- Operational temperature range: -5°C to 55°C (23°F to 131°F)