

ETX-5

Ethernet Service
Aggregation Platform



The ETX-5 is a leading Carrier Ethernet 2.0 access aggregation switch, successfully deployed worldwide in many large networks. It delivers aggregated Ethernet and TDM pseudowire traffic from the access network to the PE (provider edge) over 10-GbE links. Part of RAD's Service Assured solutions, the ETX-5 is ideal for first-level aggregation at the POP, E-NNI inter-carrier demarcation and as a pseudowire gateway for seamless migration to packet networks.

For an enhanced user experience, the ETX-5 is supported by the new RADview management and orchestration system, featuring an intuitive UI/UX to simplify configuration and enable zero-touch service provisioning end-to-end. The ETX-5 is Carrier Ethernet 2.0-certified and includes an extensive toolset to deliver and manage SLA-based services.

Part of
RAD's Service Assured
Access Solutions

Part of
RAD's Service Assured
Networking Solutions



Your Network's Edge

ETX-5

Ethernet Service Aggregation Platform

Key Takeaways:

- Powerful Ethernet service aggregation platform for delivery and monitoring of MEF-certified Carrier Ethernet and TDM over packet services
- Ideal for the following applications:
 - Pseudowire gateway for seamless migration to packet networks
 - First-level aggregation at the POP
 - E-NNI inter-carrier demarcation
- Supports fully redundant networks with diverse topologies
- Hardware-based OAM and diagnostics for scalable and accurate traffic monitoring, quick fault detection and user-friendly troubleshooting
- Advanced IEEE 1588 and Sync-E timing synchronization for LTE/LTE-A backhaul
- Cost-optimized solution for 40-GbE rings using load balancing LAG

Use ETX-5 for:



Carrier Ethernet and IP VPNs

TDM Services over Packet Networks



Wholesale Networking

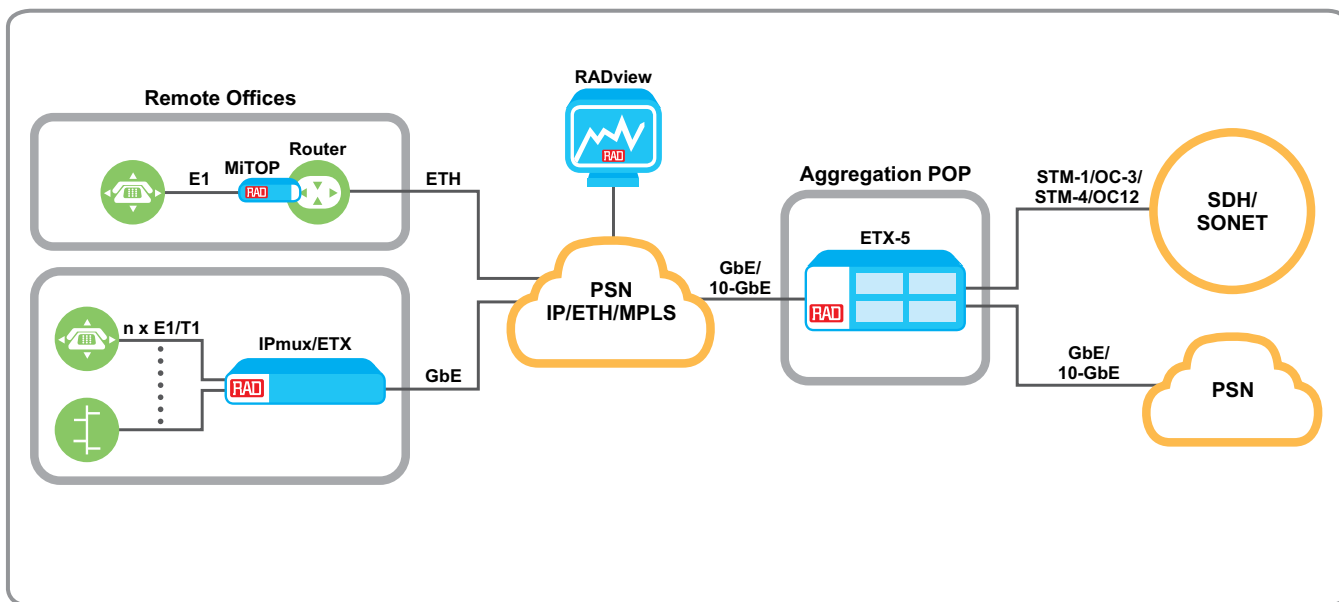


Mobile Backhaul

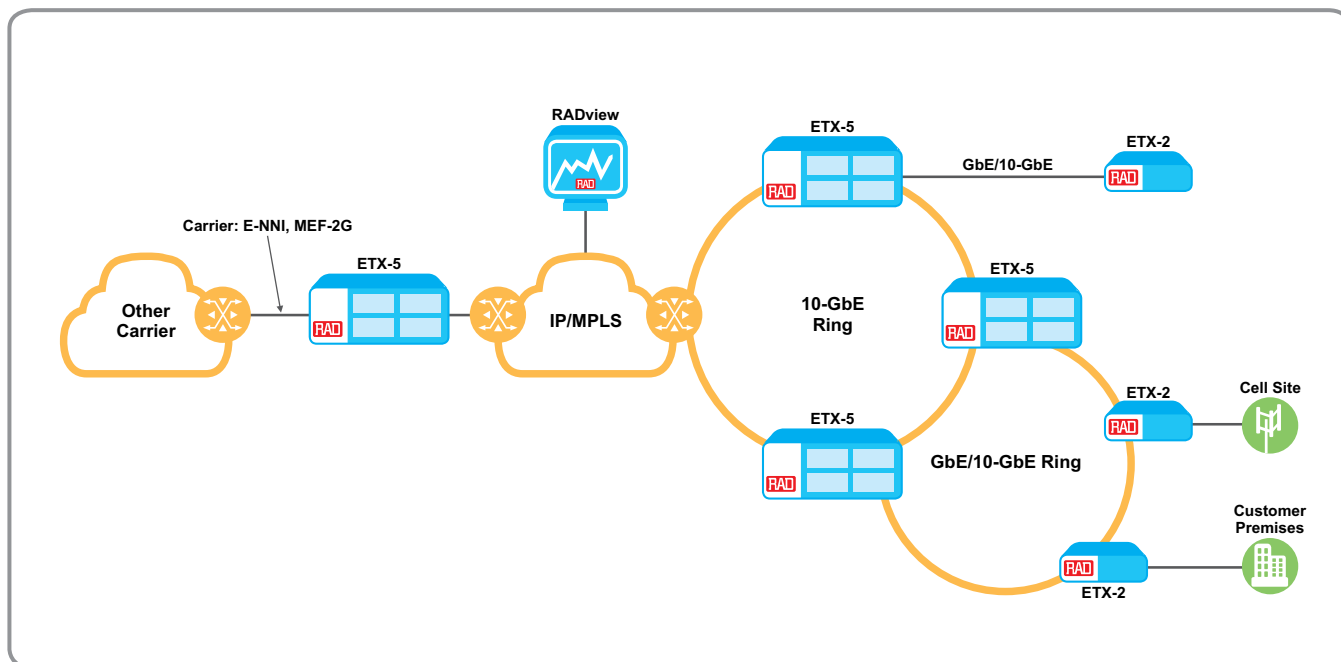


Power Utility Communications

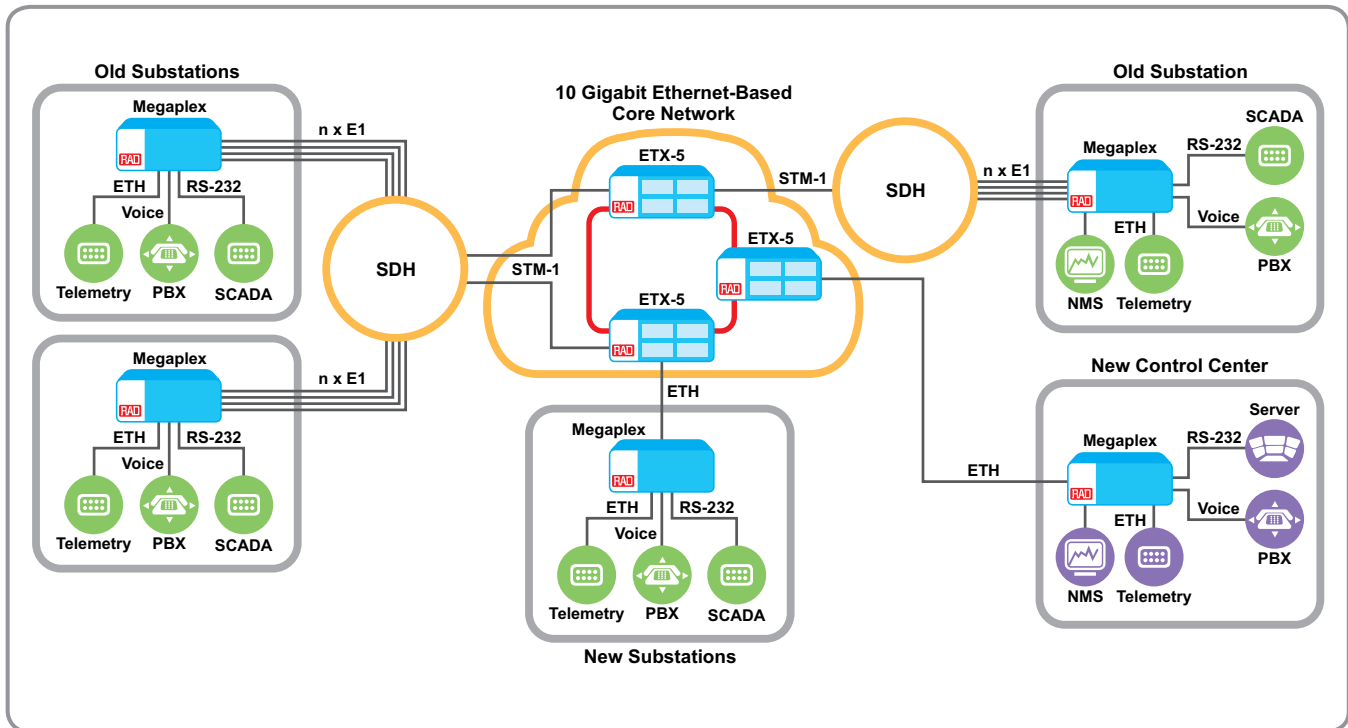
TDM Pseudowire Gateway



Service Resiliency with Ethernet Rings



Smooth Migration to Packet with 10-GbE Core Networks



Quick Specs:

- Fully redundant, modular system designed for high availability
- Ethernet OAM termination and grooming; ITU-T Y.1564 generator/responder
- Extensive TDM pseudowire support: CESoPSN, SAToP, CESoETH (MEF-8), UDP/IP encapsulation
- 16 x 10-GbE network/user ports; 80 x 1-GbE ports; 16 channelized STM-1/OC-3 user/network ports; 4 channelized STM-4/OC-12 user/network ports with redundancy
- Carrier Ethernet MEF-certified for MEF CE 2.0: E-Line, E-LAN, E-Tree services, E-Access; MEF-8; MEF-22: mobile backhaul; MEF-26: E-NNI
- Ethernet Ring Protection Switching: ITU-T G.8032v2; supports 40-GbE rings over LAG, virtual rings
- AC or DC power feed redundancy; NEBS-compliant; industrial-grade enclosure withstands extended temperature range
- Supported by RADview Service Manager and RADview Performance Monitoring portal

