

SecFlow®

Ruggedized SCADA-Aware
Gateway/Switches and Routers



SecFlow line of compact gateways/ruggedized switches and routers feature built-in security mechanisms designed for applications controlling mission-critical operations. They are ideal for industrial IoT backhaul, enabling fast, secure and economical deployment of new IoT sites. Allowing secure connectivity over wireless or fiber networks – either public (e.g., cellular) or private, they connect all types of industrial devices, including RTUs, smart meter aggregation devices, IoT base stations or concentrators, CCTV cameras, point of sale devices, Wi-Fi base stations, and more.

SecFlow is also used for operational WANs, providing reliable secure Layer 2 and Layer 3 communication for power utilities, water and gas utilities, public safety and homeland security agencies, as well as intelligent transportation operators.

Part of
RAD's Service Assured
Networking Solutions



Your Network's Edge®

SecFlow

Ruggedized SCADA-Aware Gateway/Switches and Routers

Key Takeaways:

- Provide next-generation communications for critical infrastructure with advanced switching, routing and security functionalities
- Comprehensive multiservice support for IEC 61850, IEC 60870-5-104, DNP 3.0, and their serial legacy protocol equivalents reduces the number of network elements and simplifies operations
- Part of RAD's Cyber Shield solution to boost NERC CIP compliance levels for bulk electric system (BES)
- Certified to meet industrial grade requirements
- Field-proven, deployed worldwide

Use SecFlow for:



- Cyber Shield Overlay for Operational WAN
- Cyber Shield for Industrial IoT Backhaul
- Industrial IoT and Smart Meter Backhaul
- Fixed and Mobile Wireless Broadband for Offshore Communications
- Multiservice Operational WAN for Oil and Gas Utilities
- Water Utility Communications
- Ruggedized Substation LAN

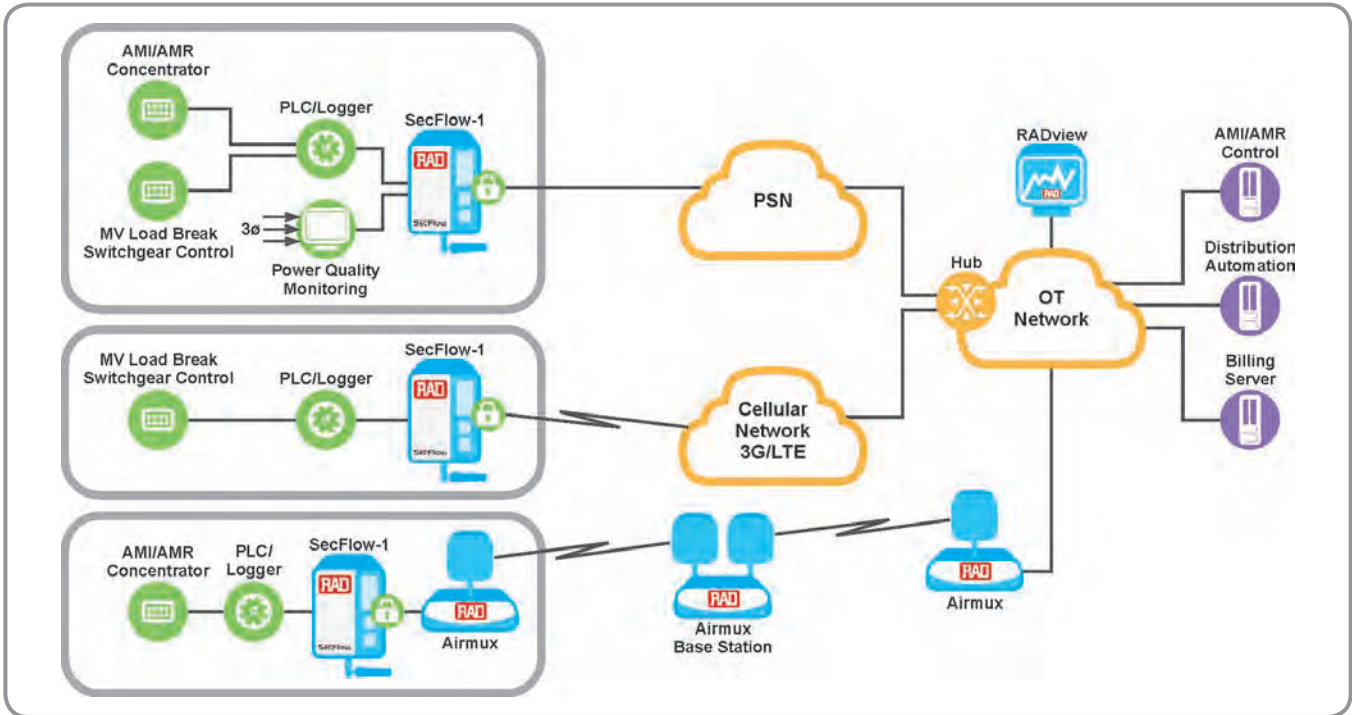


- Highway Communications
- Ruggedized LAN for Airport Communications

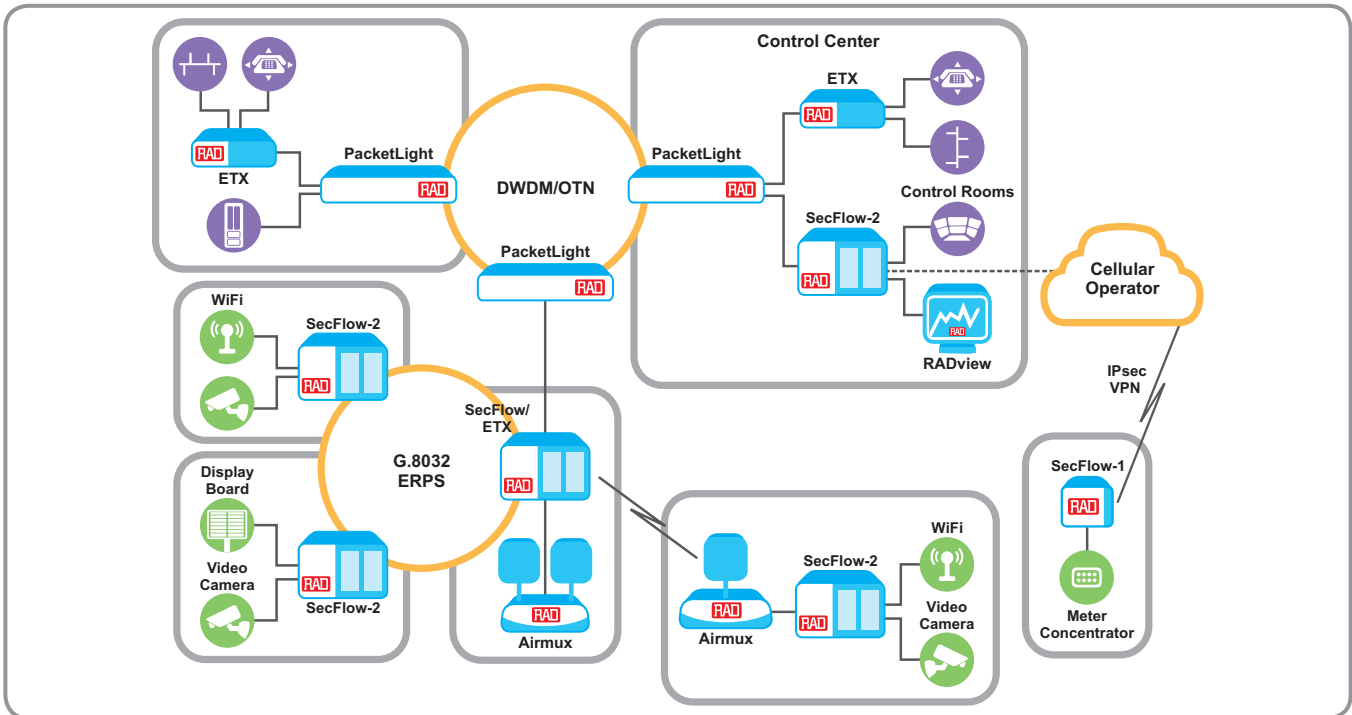


- Smart City Communications

Industrial IoT and Smart Meter Backhaul



Smart City Communications



Quick Specs:

- Multiservice support: Fast Ethernet/GbE, Serial RS 232/485, Power over Ethernet (PoE)
- Connectivity to remote and isolated sites using a dual SIM cellular modem for 2G/3G/HSPA+/HSDPA/LTE uplink supporting flexible connectivity methods such as encrypted L3 DMVPN, L2 VPN, IPsec VPN, NAT
- Advanced Ethernet and IP feature-set
- Cyber security suite: 802.1X, IPsec encryption with automated PKI, ACL, stateful firewall
- Serial protocol handling with transparent tunneling/protocol conversion/terminal server feature set for IEC-60870-5-101, IEC60870-5-104, Modbus RTU to Modbus TCP and DNP3.0 RTU to TCP
- Comply with IEC61850-3 and IEEE 1613
- Wide range of form factors and functionalities addressing various installation needs for small sites, substations, data collection sites, and high density aggregation sites
- Fault management and reporting, bulk software upgrade and database management using RADview



SecFlow-1

Ruggedized SCADA-Aware
Gateway



SecFlow-2

Ruggedized SCADA-Aware
Ethernet Switch/Router



SecFlow-4

Modular Ruggedized SCADA-Aware
Ethernet Switch/Router