Air-Traffic Control Communications

Service Assured Networking Solutions

1 Multiservice Operational WAN for Air-Traffic Control
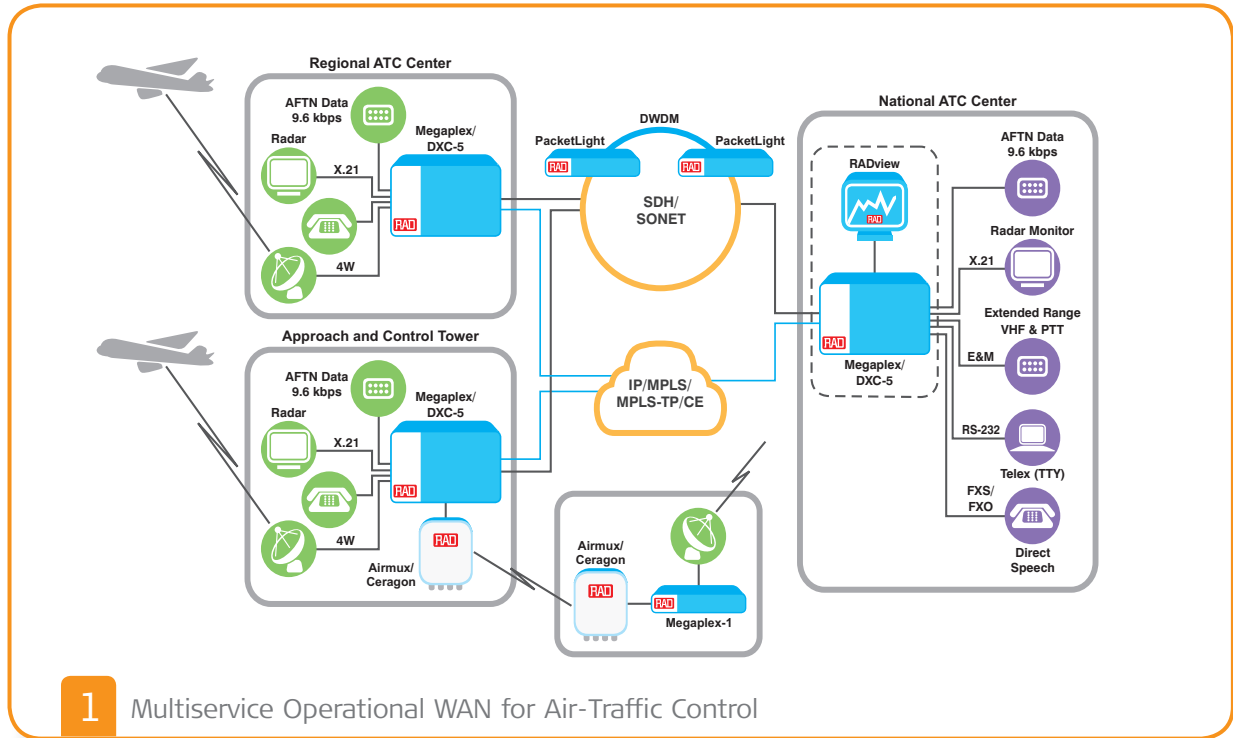
Your Benefits:

- Ensure reliable, uninterrupted communications between different traffic control centers with RAD's multiservice connectivity solutions over any transport network, including SDH/SONET, IP/MPLS, MPLS-TP, CE, OTN, DWDM

- Deliver direct speech (DS), Telex (TTY), radar data (RD), extended range VHF (ER), and VHF data link (VDL) traffic, together with other voice, fax and LAN services, using industry-standard interfaces

- Transport traffic over copper, fiber, microwave, or satellite links

- Distributed SCADA security suite with integrated firewall and encryption

- Optimized for subrate leased line transmission and backup to reduce OpEx

- Ruggedized platforms withstand the rigors of field operations

- Support fail-safe operations with ISDN, VSAT and Ethernet backup

Megaplex
Next-Generation Multiservice Networking Node

DXC-5
High Capacity Hybrid Cross Connect
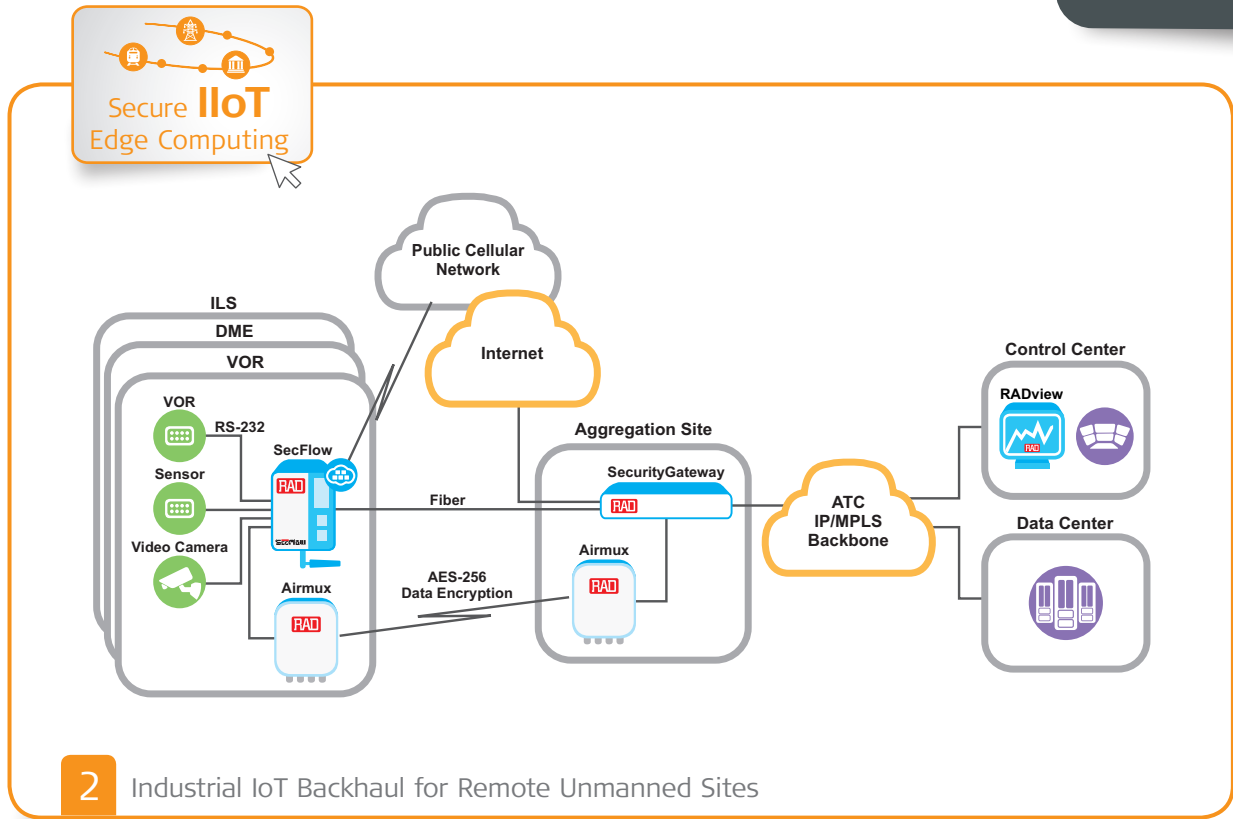
Ceragon/Airmux
Wireless Transport Platform

PacketLight
Complete Solutions for WDM/OTN and Dark Fiber Applications

RADview
Management and Domain Orchestration

RAD
Your Network's Edge

Air-Traffic Control Communications

Service Assured Networking Solutions

Secure **IIoT** Edge Computing

Public Cellular Network

ILS
DME
VOR

VOR

VOR
RS-232
Sensor
Video Camera

SecFlow

Airmux

Fiber

AES-256 Data Encryption

Internet

Aggregation Site

SecurityGateway

Airmux

ATC IP/MPLS Backbone

Control Center

RADview

Data Center

2 Industrial IoT Backhaul for Remote Unmanned Sites

Your Benefits:

- Ensure management and monitoring for unmanned ATC sites (VOR, DME, ILS)
- Integrated IEC 61131-3 RTU/PLC
- SCADA capabilities, dry contacts and serial tunneling
- Extensive PoE support for CCTV camera applications

- Zero-touch provisioning, enhanced cyber security (stateful firewall, SCADA, IPS/IDS, SIEM)
- Seamless communications over fiber optics, radio links, 2G/3G/LTE cellular links and leased lines
- Integrated IPsec encryption with automated PKI support

- Transport traffic over copper, fiber, microwave, or satellite links
- Point-to-point and point-to-multipoint radio connectivity for high capacity mission-critical traffic over licensed and unlicensed bands
- Secure remote access for end-user device management

SecFlow
Industrial IoT Gateway with Edge Computing

SecurityGateway
VPN Aggregator, Router and Firewall

Ceragon/Airmux
Wireless Transport Platform

RADview
Management and Domain Orchestration

www.rad.com

RAD
Your Network's Edge