Point-to-point microwave links distance-engineered for demanding applications

Aprisa **XE**

Reliable

Easy installation and maintenance

Carrier-class availability
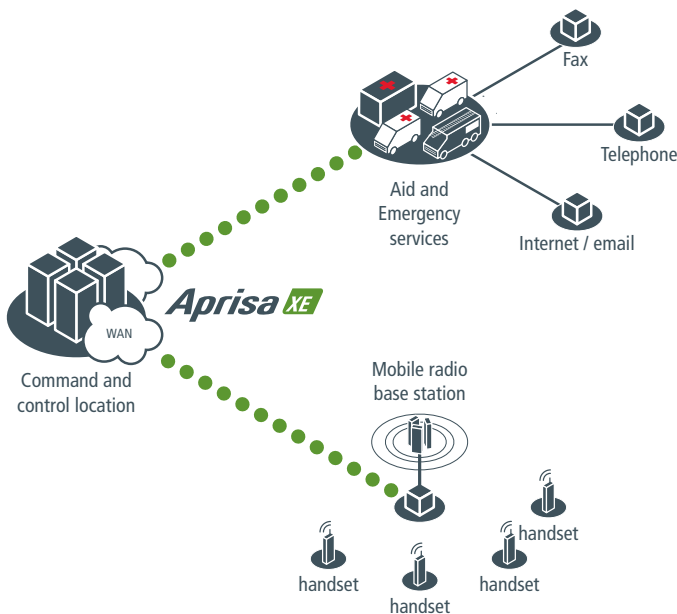
Rugged and robust

Essential communications for security, military, emergency and peacekeeping organisations

Rapidly establishing a mission-critical communications network is essential for public safety, homeland security, military and peacekeeping organisations as well as international aid, disaster relief and fire, police and ambulance services. The Aprisa XE family of point-to-point radios from 4RF provides a reliable, robust, easily deployable solution for interconnecting and backhauling mobile radio base stations and establishing a private network with central command and control locations to transport Internet, voice and data traffic. The Aprisa XE maintains the connection even over long distances, challenging terrains or harsh environments, providing always-on fast, dependable wireless access.

ADVANCED POINT-TO-POINT WIRELESS SOLUTIONS

The Aprisa XE provides a flexible range of legacy and IP interfaces, supporting all types of data, Internet and voice services, including all mobile radio network types, both analogue and digital. Easily deployed and maintained, with a low total cost of ownership, the Aprisa XE provides simultaneous support for security, control and monitoring data; phone, PBX and Tetra and P25 mobile radio voice; and LAN, VoIP and video IP applications. Its modular multi-service multiplexer enables easy selection of interfaces.

SPECIFICATION	APRISA XE
Frequency bands	300 MHz – 2700 MHz (licensed bands)
Modulation	Software configurable from QPSK to 128 QAM
Capacity	72 kbit/s – 65 Mbit/s
Channel sizes	From 25 kHz to 14 MHz (band-dependent)
Interfaces (supported by digital cross connect)	E1 / T1 framed and unframed 2-Wire FXO / FXS 4-Wire E&M V.24 synchronous, asynchronous, over sampling High-speed synchronous X.21 / V.35 / RS-449 / RS-530 10 / 100Base-T Ethernet
Management	Element: Embedded web-based SuperVisor software Network: Any SNMP-compliant NMS platform

Why the Aprisa XE ?

- **Reliable** – with industry-leading reliability, even over long distances, challenging terrain or adverse weather conditions, the Aprisa XE provides an efficient communications solution for relaying critical information throughout utility networks.

- **Carrier-class availability** – providing always-on, 99.999% availability, high capacity and significant latency improvements over satellite, the Aprisa XE provides the quality of service required for mission-critical demanding applications such as real-time monitoring and control of remote sites.

- **Cost-effective** – financially out-performing satellite and high frequency microwave communications, the Aprisa XE enables utility companies to optimise capital expenditure and virtually eliminate operational expenditure.

- **Flexible interfaces** – with support for all types of traffic, the Aprisa XE efficiently aggregates and transports a mix of voice, data and IP traffic, easily integrating any legacy requirements with its modularly constructed multiplexer supporting easy selection of the required interfaces.

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