



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

**Aprisa™ XE**

Reliable

Easy installation and  
maintenance

Carrier-class availability

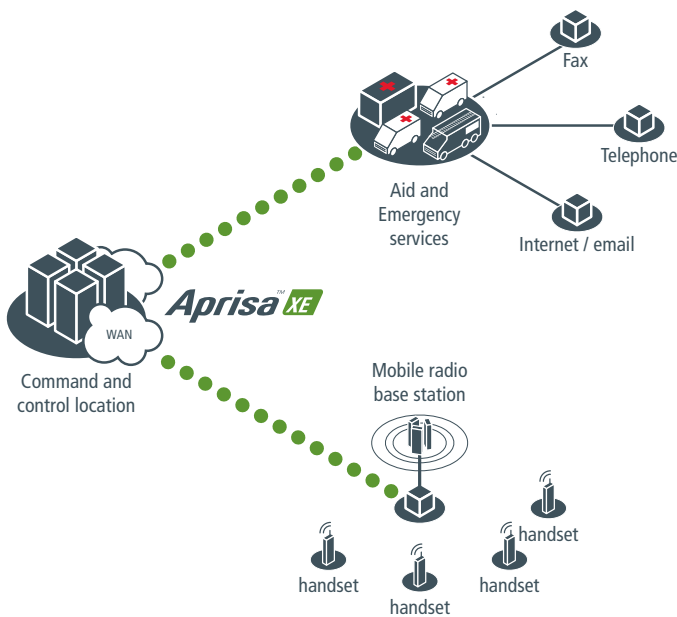
Rugged and robust

## 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.



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 / RS-232 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** – the Aprisa XE can be depended upon to establish mission-critical links, overcoming any problems of long distance, challenging terrain or adverse weather conditions.
- **Carrier-class availability** – with its use of low frequency licensed spectrum bands, the Aprisa XE is interference-free, providing a carrier-class, always-on connection. The Aprisa XE's high capacity, up to 65 Mbit/s with a single long-distance link, makes it suitable for all types of demanding mission-critical applications.
- **Easy installation and maintenance** – with its lightweight yagi / grid antennas and ease of antenna alignment, the Aprisa XE is rapidly deployed, essential for establishing mission-critical links with central command and control locations. With easy SNMP-based management, the Aprisa XE minimises field service calls and overhead.
- **Rugged and robust** – the Aprisa XE, with its rugged enclosures, is suitable for use in even harsh, remote environments, such as in natural disaster locations.

### ABOUT 4RF COMMUNICATIONS

Operating in more than 100 countries, 4RF solutions are deployed by international aid organisations, public safety, military and security organisations, transport and utilities companies oil and gas companies, broadcasters, enterprises, and telecommunications operators. All 4RF products are optimised for performance in harsh climates and difficult terrain, and support legacy analogue, serial data, PDH and IP applications.