Aprisa SR protected base station

Comprising two radios and a protection switch, the Aprisa SR protected base station provides a redundant solution for critical infrastructure communications networks.

APRISA SR PROTECTED BASE STATION

The Aprisa SR provides smart, secure point-to-multipoint communications for oil, gas and utility monitoring and control.

- VHF and UHF licensed bands
- RS-232 and IEEE 802-3 protocols
- 12.5 kHz and 25 kHz channel size
- 9.6 kbps and 19.2 kbps data rate
- 256 bit AES encryption
- 4-CPFSK modulation
- Single or dual frequency half duplex
- ETSI standards compliant
- -40 to +70 C operational temperature

OPERATION
The radios are continually monitored for correct operation and alarms are raised if either radio should fail. In the event of a failure on the operational radio, data is automatically switched to the standby radio.

POWER SUPPLY
Each radio is individually powered and the unit is designed to be in-field hot-swappable, making it possible to replace a failed radio without interrupting user traffic.

INTERFACES
All external interfaces, serial and Ethernet connections, power supply and antenna ports are located on the protection switch. Two Ethernet interfaces enable the segregation of management and user data with a dedicated management port. Serial traffic is terminated on the RS-232 interface.

MANAGEMENT
Configuration and management is undertaken via the 4RF SuperVisor web-based browser application. With its comprehensive, easy to use GUI, SuperVisor enhances network configuration and set up, improves fault identification and isolation and increases asset visibility.

FOR MORE INFORMATION...
The technical specification and performance characteristics for the protected base station can be found on the Aprisa SR datasheet.