

# eXTRAS FR400

## TETRA BASE STATION

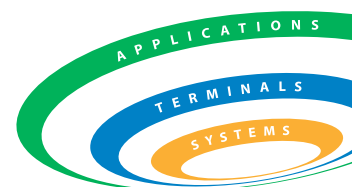


The eXTRAS FR400 is a high-performance, fully-featured 25W TETRA base station which can provide up to eight carriers. Compact, modular and with a rich array of features, it is a proven solution in a variety of sectors including airports, public transport, manufacturing, public safety, oil and gas and other industrial organisations.

- › Outstanding performance
- › Scalable, flexible and user-friendly
- › Low cost of ownership
- › Complete with full suite of applications

# sepura

Going further in critical communications



## The FR400 also offers:

- › Low power consumption per carrier
- › IP network connection
- › Full suite of gateways (SDS, packet data, telephony)
- › Secondary control channel capability (C-SCCH)
- › High mean time between failures (MTBF) and availability
- › Redundancy options
- › Hot-swap modules
- › Redundant site links
- › Dual diversity, to provide extra versatility
- › Non-GPS operation to ensure suitability for in-building/tunnel usage
- › Comprehensive set of applications (call logging, dispatcher, AVL, voice recording)
- › Encryption options, including air-interface encryption and End-to-End encryption, supported by a full key management capability
- › Approvals for operation in a wide range of countries (including FCC/IC approvals for North America, and EU approval)
- › Selection (two in, four out) of i/o lines for interconnectivity with external systems/devices (such as alarm systems)
- › Enhanced all-back mode (local database for registration, group calls, individual calls, SDS, packet data)

Backed both by Sepura Systems' extensive and thorough TETRA knowledge and by its professional and highly-trained support capability, the eXTRAS FR400 is a key tool in making your TETRA network more efficient and cost-effective.

# eXTRAS FR400

## TETRA BASE STATION

<b>Transmit power</b>	Adjustable up to +44dBm (25W) at duplexer output
<b>Power adjustment</b>	Between 28 and 44dBm in -2dB steps by configuration
<b>Duty cycle</b>	100% duty cycle on all 4 time slots
<b>Receiver</b>	Class A per ETS300-392-2
<b>Static sensitivity</b>	@4%BER (TCH 7.2) -117.5 dBm without diversity @4%BER (TCH 7.2) -120.0 dBm with diversity
<b>Dynamic sensitivity</b>	2 @4%BER (TCH 7.2) TU50 -112dBm without diversity
<b>Two-way receiver diversity gain</b>	2dB min, typical 5dB, depending on antenna configuration and fading conditions
<b>Duplex separation</b>	5MHz/10MHz duplex spacing
<b>Enclosure</b>	Various 19" standard racks
<b>Dimensions</b>	WxHxD: 600 x 1250 x 600 mm
<b>Weight</b>	Approx 135 kg (with 4 carriers)
<b>Supply power</b>	36 to 60 V DC optional 115-240V AC
<b>Power consumption</b>	326W (typical) with 2 carrier and 25W transmit power (at top of cabinet)
<b>Operational temperature range</b>	MIL-STD-810 F method 501.4 and 502.4 -10°C to +60°C
<b>Operational change of temperature</b>	MIL-STD-810 F method 503.4
<b>Operational altitude</b>	MIL-STD-810 C