

eXTRAS SOLO

TETRA BASE STATION



The SOLO is a compact, fully-featured single carrier TETRA base station that has been specifically designed to meet the demands of users in sectors such as airports, public transport, manufacturing, public safety, oil and gas and other industrial organisations. Easy to transport and install, this 25W (at the duplexer) base station can be deployed either as a standalone single site or as part of a network.

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

sepura

Going further in critical communications



In addition, the SOLO also offers:

- › Low power consumption
- › IP connectivity
- › Comprehensive set of applications (call logging, dispatcher, AVL, voice recording)
- › Full suite of gateways (SDS, packet data, telephony)
- › Secondary control channel capability (C-SCCH)
- › High Mean Time Between Failures (MTBF) and availability
- › 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)
- › Dual diversity, to provide extra versatility
- › Non-GPS operation to ensure suitability for in-building / tunnel usage
- › Selection (two in, four out) of i/o lines for interconnectivity with external systems/devices (such as alarm systems)
- › Capability to link two SOLOs together to create a two-carrier base station or to provide full redundancy of site controller
- › Capability to link to Sepura systems including FR400 to provide a cost-effective network extension
- › Enhanced fall-back mode (local database for registration, group calls, individual calls, SDS, packet data)

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

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Transmit power	Configurable up to +44dBm (25W) at the duplexer output
Configurable power output	28 to 44dBm in -2dB steps programmable
Duty cycle	100% duty cycle for all four channels in parallel is possible
Receiver	Class A per ETS300-392-2
Static sensitivity	@4%BER (TCH 7.2) -117.5 dBm without diversity @4%BER (TCH 7.2) -120.0 dBm with diversity
Dynamic sensitivity	@4%BER (TCH 7.2) TU50 -112dBm without diversity
Gain at 2 x diversity	2dB min, typical 5dB, depending on antenna configuration
Duplex separation	5MHz /10MHz duplex spacing
Dimensions	WxHxD: 455 x 220 x 287 mm
Weight	<19 kg
Supply power	115-240V AC
Power consumption	170W (typical) at 25W transmit power (at top of cabinet)
Operational temperature	-10°C to +55°C