

STP9200 SERIES HAND-PORTABLE



DIMENSIONS

Height: 133mm
Width: 61mm (54mm)
Depth: 32mm (standard battery)
Depth: 37.5mm (high capacity battery)

WEIGHT

With standard battery: 250g
With high capacity battery: 275g

FREQUENCY BANDS

344-400MHz – STP9235
380-430MHz – STP9238
407-473MHz – STP9240
806-870 MHz – STP9280

POWER SUPPLY

7.4V (nominal) lithium polymer battery packs
Intelligent reporting batteries
1160mAh standard battery
1400mAh mid-capacity battery
1880mAh high capacity battery

RF PERFORMANCE

RF Power: MS power class 3L (1.8 Watts)
RF Power customisable for :
TMO/DMO/REP
Adaptive power control supported
Receiver class A & B
Receiver static sensitivity -112dBm
(-115dBm typical)
Receiver dynamic sensitivity -103dBm

(-106dBm typical)

PRODUCT PERFORMANCE

Audio power - >1 Watt
Operational temperature (conformance tested) -20°C to +60°C
Operational temperature (min./max.) -30°C to +65°C⁴
Storage temperature -40°C to +85°C¹
Dust and water protection to both IP67 & IP65 (waterproof, submersible, sprayproof & dustproof), plus tested for complete eight hour shifts "in the pouring rain"
Shock, drop & vibration ETS 300 019
Salt fog: MIL810E 509.4(I); duration 24hr salt⁵
Salt water: submersion, rated at 1m depth for 30 minutes⁵

PRODUCT OPTIONS

GPS
Man-Down alarm³
DMO repeater Type 1A
Air Interface encryption options
End-to-end encryption options
Wide range of languages supported
Coloured bezels
Smartcard support

RFID performance

Internal tag – HITAG S2048, short range, 125KHz, ISO11784 & ISO11785 compliant
Range: 1 cm from back of individual radio box pack
User accessible storage – 512 bits, passive technology pre-programmed (user can overwrite):
32 bit unique identifier
Serial number
Hardware code
TEI

DISPLAY AND USER INTERFACE

Active LCD area 37mm x 19 mm, with 128 x 64 resolution
High visibility monochrome display
Call history
Seven configurable feature activation keys
Phonebook (2000 entries)
9900 talkgroups in TMO/DMO
5000 multi-level talkgroup folders
Intelligent search facility
Quick groups
Transmit inhibit with on/off status messaging
Fixed & definable scan lists
Remaining charge-time indication
Missed call indicator
Intuitively-enhanced user interface
Choice of three user interface presentation styles (compatibility, list and grid)

Wake-on-Alarm function
Sepura Picture Message
Smart menu

VOICE SERVICES

Full duplex calls (to MS & PABX/PSTN)⁶
Half-duplex calls (individual & group)⁶
Priority call
Emergency call (pre-emptive priority)
Intelligent alarm reporting
Talking party identity
Calling line identity presentation
DTMF dialling from address book⁷
MSISDN dialling
Abbreviated dialling
Dynamic group number assignment
Background (hidden) groups
Ambience listening
Privacy mode
Whisper mode
Group focus
DMO individual call⁷
DMO group call
DMO emergency call
DMO intelligent emergency call
Independent volume control
Gateway pairing

DATA SERVICES AND APPLICATIONS

Status messaging (in TMO & DMO)
SDS messaging (in TMO & DMO)⁷
Concatenated SDS messaging⁷
Multi-slot packet data
TETRA paging & call out
Battery status advised immediately on start-up
Short Data Applications (SDAs)
Lone-Worker feature
Missed event notification
Up to 30 quick status messages

LOCATION BASED SERVICES

GPS integrated option -192dBm (-162dBm)
tracking sensitivity
Over-The-Air GPS reporting using the following protocols
• ETSI location standard reporting (LIP)
• NMEA & Sepura compact messaging
GPS-based compass
Enhanced indoor start-up and acquire through 'predictive ephemeris'
RFID tag equipped

SECURITY SERVICES

Authentication
Class 1, 2, 3 & 3G security
Air interface encryption
TEA1/2/3/4 Supported²
Smartcard E2E encryption support²
Embedded E2E encryption support²



Going further in critical communications

Sepura's policy is to continually improve its products and services. The features and facilities described in this document were correct at publication, but are subject to change without notice.

DMO REPEATER SERVICES (LICENCE REQUIRED)

DMO voice repeated
DMO tone signalling repeated
Group status & SDS repeated
Type 1A efficient operation over one RF channel
Presence signal support
Emergency call
Monitoring & participation in calls

CONNECTIVITY

TETRA voice & data
PEI Data via RS232 and USB data cables
Accessory connections via rugged accessory connector (RAC)
High speed interface for feature-rich audio accessories
Audio & data connection via facility connector
Passive 125KHz RFID tag

ACCESSORIES

Personal charger
Vehicle DC charger
1+1 desktop charger
6+6 desktop charger
12- and 24-way battery-only chargers
Two-way, battery-only charger for vehicles
Wide range of antennas
Stud & belt attachments
Rugged belt clip
Rugged & soft leather cases
Basic IP55 remote speaker microphone
Advanced IP55 remote speaker microphone (with/without RF antenna)
Hands-free kit
Personal ear pieces
Public order accessories
Semi-covert accessories
Feature-rich & basic car kits
Serial & USB data leads
Four- & eight-way programming pods

1 – As defined in ETSI EN300 019-2-1 and EN300 019-2-2

2 – Availability is subject to export licence

3 – The Man-Down alarm should in no way be regarded as a substitute for compliance with appropriate risk assessment and other safety procedures and practices.

To enable Man-Down a software licence is also required

4 – Operating at extreme temperatures may limit some aspects of operational performance

5 – Connector Protector must be enabled in customisation. An antenna, a battery and either an accessory or the STP9000 series RAC cover must be fitted. Lightly rinse in fresh water after salt exposure to prevent salt crystal build-up

6 – Through use of Sepura pseudo-keypad. Chinese text entry not supported

7 – Selectable from phonebook or incoming call list



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