SCL3

Mission Critical Handheld

4G/5G | HYBRID (TETRA and 4G/5G)

sepura

Keep connected in all circumstances

15:09 90%

sdm | scc

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SCL3 Hardware

Physical

Height: 161.4mm (excluding antenna)

Width: 78.7mm

Depth: 20.4mm (with standard battery)

Weight: 326g (with standard battery)
353g (with HiCap battery)

Display

Size: 5 inches

Glass: Gorilla Glass 5

IK Rating: IK07

Resolution: 1280 x 720 Capacitive Touchscreen

LED: Tri-Colour LED

Battery

Standard-Capacity Battery: 4000mAh

High-Capacity Battery: 5600mAh

Hot Swap: Swap battery without powering off the device

Memory

Internal: 8GB RAM, 128GB Internal Storage

Replaceable: MicroSD card up to 256GB

Processor

Core: Octa-Core Qualcomm® Kryo™ 670

CPU Speed: Up to 2.4 GHz

SIMs

SIM Slots: 1x nano-SIM, 1x eSIM

Sensors

Proximity Sensor

Ambient Light Sensor

Accelerometer

Barometer

Gyroscope

E-Compass

Camera

Front: 16MP, 1080p (FHD) at 30/60fps

Rear: 16MP, 1080p (FHD) at 30/60fps with LED flash

Software

Operating System: Android 14 non-GMS

Location Services

GNSS Constellations Supported: GPS, A-GPS, Galileo, GLONASS, BeiDou

Imaging

Display: JPEG, PNG, BMP, GIF, WEB, HEIF, HEIC, RAW

Output: JPEG, DNG

Connectivity

2G/3G/4G/5G

5G: n1, n3, n5, n7, n8, n20, n28, n38, n40, n41

LTE: B1, B3, B5, B7, B8, B20, B28, B38, B39, B40, B41

WCDMA: B1, B5, B8

GSM: 900, 1800 MHz

3GPP E-UTRA Release 15 compliant: Supports Quality of Service Class Identifiers (QCIs): 65, 66, 67, 69, and 70 Includes Allocation and Retention Priority (ARP) for QoS Management

Wi-Fi

Frequencies: 2.4GHz, 5GHz

Standard: 802.11 a, b, g, n, ac

Bluetooth

Version Supported: BT5.2 LE

Profiles Supported: PAN, BNEP, SPP, A2DP, ATT, GAP, GATT, HFP, HID, HSP, MAP, PBAP

NFC

Reader/Writer Mode

Peer-to-Peer Mode

Audio

Speaker Audio Output: 2W

Max Loudness: 95dBA at 25cm

Acoustic Processing: Noise Suppression, Howl-Around Suppression and Echo Cancellation

Water Porting: Automatic clearance of audio apertures of water and dust in any conditions

Microphones: Three Dedicated Microphones

Codec

Audio Playback: AMR-NB, AMR-WB, ACELP, MP3, AAC, AAC+, WMA, WAV, FLAC, APE, OGG, MID, M4A

Audio Recording: AMR-NB, AMR-WB, ACELP, WAV, AAC

Video Playback: MKV, MOV, MP4, H.265, AVI, TS, 3GP, FLV, WEBM

Video Recording: H.265, MP4

Security

User Authentication: Pin Entry

Root Detection: Standard

Key Storage: Trusted Execution Environment (TEE)

Data-at-Rest: Android AES256 File-Based Encryption

Secure Device Management: Sepura Device Management and Support for Coexistence of 3rd Party EMM

Secure Boot: Protected Bootloader

OS Hardening: SE Linux Access Control

Environmental

Operational Temperature: -20°C to +60°C

Storage Temperature: -40°C to +85°C

IP Ratings: IP65, IP66, IP67, IP68

Vibration/Bump/Shock: ETS 300-019-2-5, 5M3

Submersion: 2m depth for 1.5 hours, method MIL-STD-810-H

Temperature/Shock/Vibration/Humidity: MIL-STD-810-H

Drop Specifications: MIL-STD-810-H

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Physical Controls

Large PTT Button

Rotary Selector

Emergency Key

Programmable Keys – Supporting 10 Softkey Functions

Power On/Off Button

Physical Connection

USB2 and USB3 support for data and charging

Accessory connections via Rugged Accessory Connector:
Rapid tool-less fitting and removal
Unique anti-overtighten design
Salt-resistant seal

Audio and data connection via bottom connector:
Rapid tool-less fitting and removal

External Antenna Connection (4G/5G) for car kit

Accessories

Charging:
1+1, 6+6, 12-way (compatible with Standard Cap, High Cap and Hybrid options). USB-A and USB-C cables

Batteries:
Standard-Capacity Battery
High-Capacity Battery

Carrying Accessories:
Stud and Belt Attachments
Carry Cases, Clamshells
Lanyards

Car Kits:
Car Cradle
Power and Control Cable
4G/5G External Antenna

Audio:
Mini RSM, Standard RSM, Advanced RSM, IP67 sRSM, Ultra CSM, Ear Hanger, Two-Wire Kit (RAC)

Programming

Sepura Device Manager (SDM):
Cloud-based platform for Sepura LTE, TETRA, and hybrid devices. Supports over-the-air (OTA) updates and bulk operations.

Policy & Rule Enforcement:
Central control of device usage, application installation, and Android policy management (Professional tier and above).

Real-Time Monitoring & Reporting:
Dashboards for device status, connectivity, and compliance. Exportable reports and full event logging.

Security & Compliance:
Multi-factor authentication, role-based access, and comprehensive audit trails.

Customisation & Accessory Management:
Remote configuration of radio features and management of critical accessories.

Integration & Scalability:
Integration with Radio Manager for TETRA updates. Multiple subscription tiers to match organisational needs.

Hybrid Operation

One device, two options. Sepura's rugged SCL3 Mission Critical broadband handheld device has the flexibility to be deployed as 4G/5G only or optionally as a Hybrid Device adding TETRA, providing a powerful device to enable the migration to Mission Critical broadband communication.

SC28 TETRA Module

The SC28 TETRA module can be easily attached to the back of an SCL3 to create a Hybrid product. It uses the same battery and accessories as the SCL3, enhancing Sepura's broadband device with full TETRA functionality.

Physical

Height: 127.4mm

Width: 73mm

Depth: 9.2mm

Weight: 69g

SIM

SIM Slots: 1x Encryption nano-SIM

TETRA Performance

Frequency Bands: 380-473MHz

MS Power: Class 3, Class 3L and Class 4

DMO Repeater Power: Class 3, Class 3L and Class 4

RF Power customisable for:
TMO/DMO/DM-Repeater
Adaptive power control
Receiver class A and B
Receiver static sensitivity -116dBm (-117dBm typical)
Receiver dynamic sensitivity -106dBm (-108dBm typical)

TETRA Security

Authentication

Class 1, 2, 3 and 3G TETRA security

Air Interface encryption TEA1/2/3/4

Smart card E2E encryption

Embedded E2E encryption

Temporary disable (stun)

Permanent disable (kill)

TETRA Services

Network:
Multiple Home Networks
Up to 30 Configurable Networks
Simple and Mutual Authentication
Preferred Location Area
Fixed Location Area
Trunked Mode (TMO)
Direct Mode (DMO)
Repeater Mode (RMO) Type 1A

Talkgroup Management:
3000 Talk Groups including TMO and DMO
50 DGNA
5000 Folders

Voice Services:
Individual/Group/Broadcast Call
Half-Duplex (Individual and Group)
Emergency Call with Live Mic
Full-Duplex Calls (to MS and PABX/PSTN)
Call Priority
Calling/Talking Party Identification
Ambience Listening
Transmit Inhibit with on/off Status

Data Services:
SDS Messaging
Concatenated SDS messaging
Status messaging

The Sepura Critical Communications Application (SCCA) is used to provide the user access to TETRA services on SCL3.

TETRA Programming

Configuration creation using Radio Manager 2

Over-the-Air programming for configuration and firmware via SDM

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—————— TETRA   —————— HYBRID   —————— 4G/5G

For every stage of the journey to Mission Critical communications

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