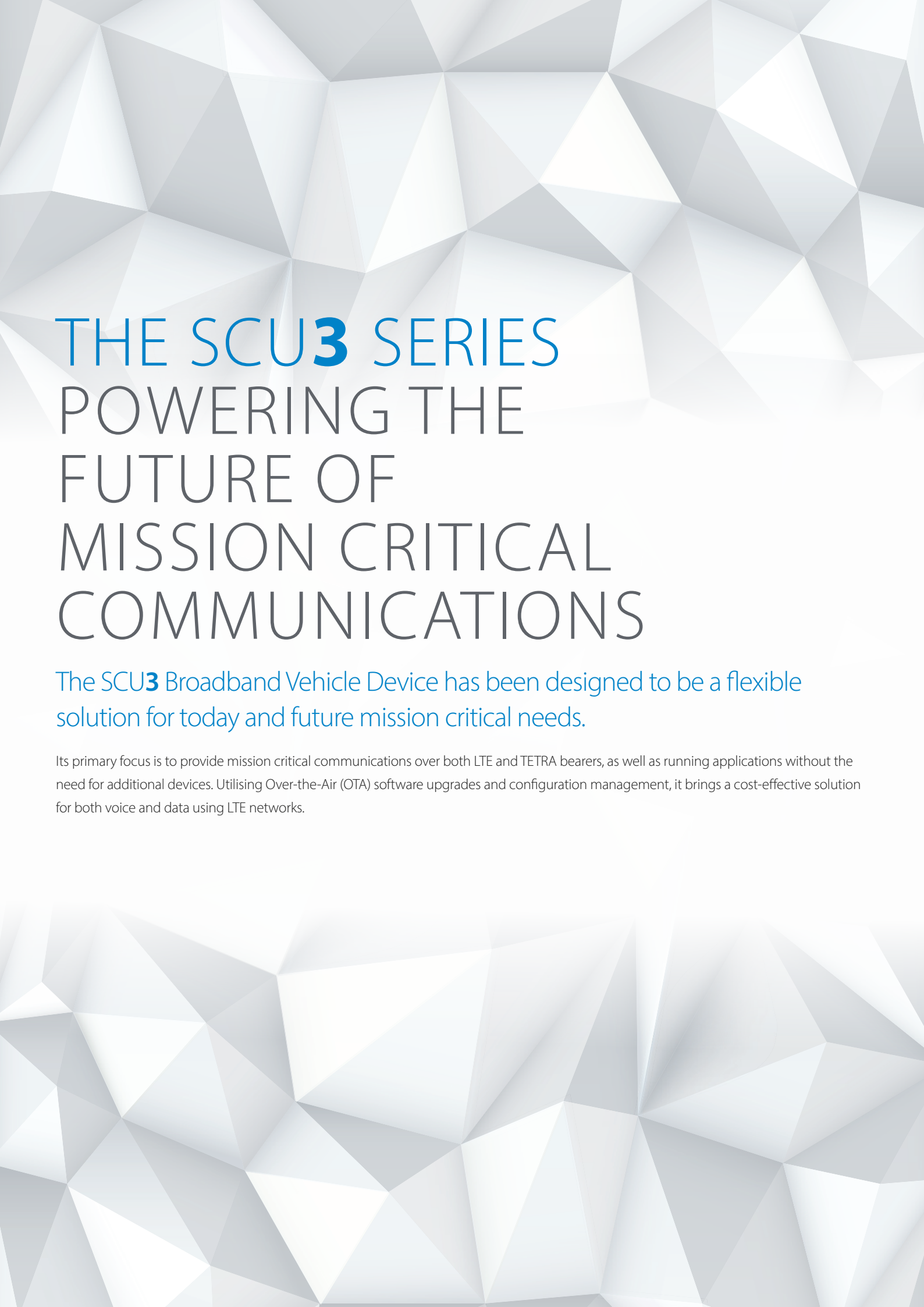# SCU**3**
BROADBAND
VEHICLE DEVICE

sepura

Going further in critical communications

THE SCU**3** SERIES
POWERING THE FUTURE OF MISSION CRITICAL COMMUNICATIONS

The SCU**3** Broadband Vehicle Device has been designed to be a flexible solution for today and future mission critical needs.

Its primary focus is to provide mission critical communications over both LTE and TETRA bearers, as well as running applications without the need for additional devices. Utilising Over-the-Air (OTA) software upgrades and configuration management, it brings a cost-effective solution for both voice and data using LTE networks.

THE COMPLETE VEHICLE COMMUNICATION HUB

Designed to be the complete vehicle communication hub for voice services, the SCU3 provides support for mission critical Voice over IP (VoIP) via Mission Critical Push-To-Talk (MCPTT) and Push-to-Talk over Cellular (PoC) voice solutions. The device is equipped with a fully featured cellular module, offering support for (3rd Generation Partnership Project) 3GPP-compliant 2G/3G and 4G voice calls, including Voice over LTE (VoLTE). In addition, cellular supplementary services such as SMS messaging and voicemail are supported as standard.*

With optional TETRA Module, narrowband voice and data services, this ensures the SCU3 supports both current and future communication standards. This provides a complete migration path between today's and tomorrow's mission critical networks.

FULL CONTROL OF DATA

The device is equipped with LTE data capabilities that allow data intensive applications to run in the field. Services such as real-time video are supported and the SCU3 makes light work of data intensive workloads either from applications installed on the device or external devices tethered via ethernet or Wi-Fi.

Equipped with data routing and bearer selection features, the device allows complete control over how and where data traffic is routed, based on source interface or application, available bearers and end destination.

APPLICATION ECOSYSTEM

The SCU3 is built upon the market leading Android OS to provide compatibility with the widest possible range of applications on the market today. Applications which have been designed to run on existing Android smartphones and tablets will run seamlessly on the SCU3.

DEDICATED PLATFORM MANAGEMENT

The SCU3 device is managed via a dedicated Mobile Device Management solution. Sepura Mobile Device Management (SDM) is a Software as a Service (SaaS) solution, providing management capabilities OTA. Due to LTE, software upgrades can be configured and delivered via a simple user interface through a normal web browser. This increases efficiency in the deployment and in life management of any devices deployed.

POWERING THE FUTURE

Designed for flexibility and use with multiple technologies, the SCU3 comes with Bluetooth®, Wi-Fi and Ethernet options to provide connection to a range of accessories and ancillary systems, creating a mission critical communications hub for now and in the future.

KEY FEATURE	BENEFIT
LTE-Advanced Module (3GPP R12)	Fast data throughput up to 300Mbps with support for mission critical features
Cellular Voice	2G/3G/4G cellular voice capabilities in the same device
Secondary LTE and TETRA Module (optional)	Allows three physical modules which can offer simultaneous connections to LTE and TETRA
Bearer Selection Rules	Ability to select a destination bearer based on website and applications used
Dual SIM	Provide a backup network in case of network failure, which can be configured in dual standby configuration
Android OS	Open source operating system offering the largest number of applications
Designed for Public Safety	Mechanically and Industrially designed for harsh environments, Sepura has over 20 years' experience in developing public safety products in global markets

*Dependent on SIM card

For more information visit **sepura.com/LTE**

SCU**3** SERIES

POWERFUL APPLICATIONS PROCESSOR
Run mission critical and data intensive
applications with Android OS

WLAN
Wireless data connectivity
or Hotspot device

MISSION CRITICAL LTE
LTE bearer supporting mission critical
QoS Class Identifiers (QCIs)

BLUETOOTH®
Connect to wireless audio
devices and peripherals

OPTIONAL LTE MODULE
Second LTE Module
for resilience

USB 2.0
Integrate with
standard peripherals
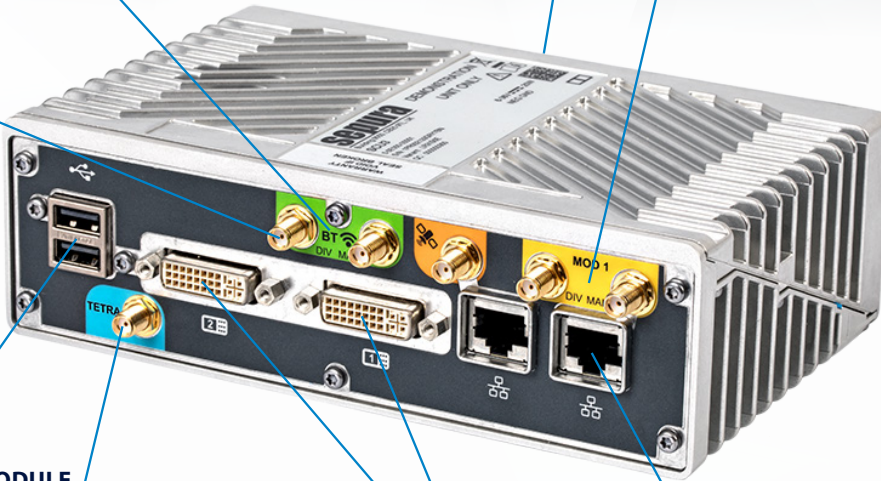
OPTIONAL TETRA MODULE
For narrowband mission
critical services or device-to-
device communication

DUAL DISPLAY PORTS
Mirrored display connects to
standard HDMI touchscreen devices

GIGABIT ETHERNET
Connect data devices
within a vehicle

POWER AND I/O
6-36V input and
ignition sense

MINI SIM
For use with optional
TETRA Module

SD CARD
Additional storage for
applications and data

MICRO SIMS
For use with primary and
secondary LTE Modules

SERIAL PORT AND I/O
Connect to legacy equipment
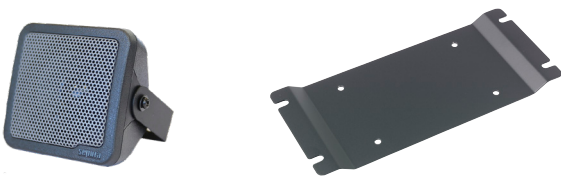or peripherals, and control or
monitor equipment in the vehicle

SEPURA ACCESSORY HUB

Providing installation flexibility to fit all types of vehicles, the robust Sepura Accessory Hub (SAH3) supports the connection of Sepura and third-party accessories for use with the SCU3 control unit. In the typical installation scenario, the SCU3 is installed in the rear of the vehicle while the SAH3 is located in the front. The waterproof IP54-rated SAH3 provides easy installation and connection to touchscreen displays, speakers and microphones. This can also provide client access for USB and ethernet connectivity.

VEHICLE CONTROL UNIT

The Vehicle Control Unit (VCU) gives the driver complete control using softkey, making it a safer in-vehicle option. All the essential controls and information needed to perform standard activities can be accessed simply and quickly on the SCU3, using a physical interface. Mounted using standard AMPS kits, this provides a simple, space-saving and effective control unit for the user.

VEHICLE AUDIO, CONTROL AND FIXING ACCESSORIES

Utilising as many of Sepura's standard accessories as possible, which are designed for mission critical use, ensures frontline staff will always have the most reliable communications.

SCALABLE USER INTERFACE

Using standard HDMI displays and offering up to 720p HD video from the SCU3, the Android UI or MCX Application can utilise a multitude of screen sizes from 7 inch up to 65 inch. This offers a wide variety of use cases from the front of standard vehicle to mobile control rooms.

For more information visit **sepura.com/LTE**

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