

GESCOM VCS

Vehicular Communication System

The most complete family
of **Software Defined VCS**
and **Intercom Systems**

Designed to **provide encrypted tactical
voice and data communications** for
dismounted personnel from vehicles



MODEL:
G1

RFE
RF ESPAÑOLA

rfe.es

FEATURES

DATA	High-speed tactical data routing Dynamic MESH networking Advanced traffic management QoS based on DSCP SYNC/ASYN serial data capability
RADIOCOMMUNICATION	Up to 1 CNR radio The radio connector supports: - 2 x ASYN serial communications - CNR analog audio (2xPTT) - LAN connection Additional IP radios can be connected, as well as SATCOM CNR radio - VoIP gateway Integrated 5G capability
INTERCOM	Intercom functionality with other G1 devices, as well as with all crew boxes within the GESCOM VCS family (RAU, ARAU and ATSS), through the Tactical Switch Module (TSM)
ENCRYPTION	Voice and data up to NATO Restricted level Secure boot DS-101 key loading interface Key loading via SKL, KiK, and ERMES NATO encryption accredited by Spanish NSA (CCN) Voice encryption based on NATO protocols (TSVCIS & STACIS / SCIP) Data encryption based on NINE Compatible encryption with the GESCOM VCS family
REMOTE CONTROL	Telecontrol access to the device for parameter management Via tablet or PC over WiFi
TELEPHONY	Supports VoIP Integrated SIP server
CREW BOXES	The equipment operates as a wireless crew box via the Tactical Switch Module (TSM). It can function as an intercom client with other crew boxes (RAU, ARAU, and ATSS).
ELECTRICAL INTERFACES	The equipment provides the following wireless interfaces: WiFi LoRa Bluetooth 5G
HMI	Configuration via web interface The device integrates screen and keypad
COMPATIBILITY	Hybrid integration with GESCOM-SIM C2 systems: BMS, TALOS, ATAK Type 1 radio integration Full compatibility with GESCOM VCS family (tactical routers, crew boxes and auxiliary elements)

TECHNICAL PARAMETERS

DIMENSIONS	50 x 145 x 80 (mm) (WxHxD). Antenna not included
WEIGHT	Maximum 0,42 Kg
MATERIAL	Plastic or aluminum (depending on requirements)
POWER SUPPLY	Replaceable external battery. The device can be recharged via the Tactical Power Module (TPM).
CONSUMPTION	Maximum: 10W

P/N

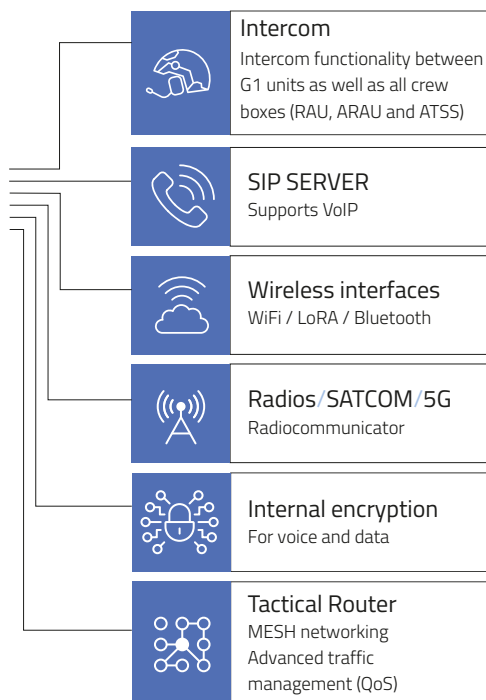
G1	RFE-VCSG1-301
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ASSOCIATED CABLING AND ACCESSORIES

ITEMS	VARIOUS FINISHES
VDC CABLE	AC/DC power adapter included
CABLES	Y cable for LAN/Audio functions Y cable for Type 1 encryption and synchronous data integration Jack audio connector adapter Custom lengths available
CRYPTO LOADING KEY	NFC Token
HEADSETS	Compatible with a wide range of tactical and commercial headsets

CONFIGURATION:

The complete system can be configured via a PC and a web page.



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