

GESCOM VCS

Vehicular Communication System

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

Designed to **provide tactical encrypted
voice and data communications** for a wide
range of vehicles, platforms and
configurations



MODEL:
G5A

RFE
RF ESPAÑOLA

rfe.es

FEATURES

DATA	High-speed tactical data routing Dynamic MESH routing Advanced traffic management QoS based on DSCP classification SYNC/ASYN serial data capability
RADIOCOMMUNICATION	Up to 5 CNR radios Each radio connector supports: - 2 x ASYN serial communications - PPS signals - CNR analog audio (2xPTT) - LAN connection Additional IP radios can be connected, as well as SATCOM and 5G CNR radio - VoIP gateway
INTERCOM	The ARAU crew box is embedded, which provides radiocom and intercom services for 2 operators
ENCRYPTION	Secure boot DS-101 key loading interface Key loading via SKL, KiK and ERMES Nationally accredited encryption Voice encryption based on NATO protocols (TSVCIS&STaC-IS/SCIP) Data encryption based on NINE
TELECONTROL	Remote controlled radios for management of operational parameters Through the ARAU crew box Through a tablet/PC via LAN
TELEPHONY	SIP Server Supports VoIP trunks Registration of authorized SIP clients
CREW BOXES	The ARAU crew box is embedded in this model, but additional crew boxes of any type (ARAU, RAU, ATSS and TCM) can be integrated by means of the tactical switch module TSM
LAN	Two separate LAN GE ports Link aggregation capability Supports VLAN
USB	Two independent A/B ports
GPIO	GPIO integration using SNMP Radio silence and blackout
MHI	Through a WEB interface
COMPATIBILITY	Hybrid integration with GESCOM-SIM C2 systems: BMS, TALOS, ATAK Integration with Type 1 radios

TECHNICAL PARAMETERS

DIMENSIONS	334 x 133 x 210 (mm) (WxHxD)
WEIGHT	Maximum 4,5 Kg.
MATERIAL	Aluminum 5083
TREATMENT	Anodized, antifungal, salt spray and EMI
COLOR	Matte black (customization for other colors)
POWER SUPPLY	9-40 VDC
CONSUMPTION	Standby: 52 W / Medium: 76 W / Maximum: 100W
STANDARS	Environmental: MIL-STD-810 / Power supply: STD-MIL-1275E
TEMPERATURE	Storage and operation according to MIL-STD-810G, Methods 501 and 502

P/N

G5A	RFE-VCSG5A-301
CIK	RFE-C301
CIK-USB CABLE	RFE-C301-CAUX

ASSOCIATED CABLING

ITEMS	VARIOUS FINISHES
USB A/B CABLE	Pigtail USB connectors (different types) Variable length according to need
LAN CABLE	Pigtail RJ45 connector Variable length according to need
VDC CABLE	Pigtail Variable length according to need
RADIO CABLE	Pigtail Audio connector and other functions according to radio: L3Harris, PR4G, Elbit, others Variable length according to need
TACTICAL SWITCH TSM	Pigtail RJ45 connector for a switch Special cable for a direct connection Variable length according to need

CONFIGURATION:

The complete system can be configured through a Tablet/PC and a web page.



Intercom

For two operators thanks to the embedded ARAU crew box.
More users can be added by means of the tactical switch module TSM



Internal encryption
For voice and data



Tactical router
Router, switch, LAG and VLAN



SIP Server
Registration of authorized SIP clients



Local networks
LAN / WiFi



Radios / SATCOM / 5G
Radiocommunicator



Sensors
SNMP interface



USB
Serial communications

GESCOM VCS
Vehicular Communication System

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