

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:
G7

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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 7 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	In-vehicle intercom independent of the radiocom system Full duplex based on VoIP Integration with legacy solutions (ROVIS)
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&STACIS/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	2xFXS / 2FXO 1xE1/T1/J1 SIP Server Supports VoIP trunks Registration of authorized SIP clients
CREW BOXES	Up to 7 crew boxes of any type: ARAU, RAU, ATSS and TCM 1 configuration port also valid for an eighth crew box
LAN	Two separate LAN GE ports Link aggregation capability Supports VLAN
USB	Two independent A/B ports
GPIO	Discrete multipurpose signals for vehicle integration Radio silence and blackout
HMI	Through a WEB interface
COMPATIBILITY	Hybrid integration with GESCOM-SIM C2 systems: BMS, TALOS, ATAK Integration with Type 1 radios

CONFIGURATION:

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



TECHNICAL PARAMETERS

DIMENSIONS	330 x 145 x 220 (mm) (WxHxD)
WEIGHT	Maximum 6.5Kg.
MATERIAL	Aluminum 5083
TREATMENT	Anodized, antifungal, salt spray and EMI
COLOR	Matte black (customization for other colors)
POWER SUPPLY	9-40 VDC
CONSUMPTION	Standby: 60 W / Medium: 100 W / Maximum: 140W
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

G7	RFE-VCSGES-302
INJECTOR CIK	RFE-C301
CABLE CIK-USB	RFE-C301-CAUX

ASSOCIATED CABLING

ITEM	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
TELEPHONY CABLE	Pigtail RJ11/RJ45 connector Variable length according to need
GPIO CABLE	Pigtail Variable length according to need
VDC CABLE	Pigtail Variable length according to needt
RADIO CABLE	Pigtail Audio connector and other functions according to radio: L3Harris, PR4G, Elbit, others Variable length according to need
CREW BOXES	Pigtail RJ45 connector for a switch Special cable for a direct connection Variable length according to need

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RFE



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