

The RUAG ARANEA software core also includes network management tools that are based on recognized standards and guarantee seamless integration into existing systems. In particular, different communication environments can easily and rapidly be configured and operated directly on site, which is a significant advantage when changing personnel.

## HARDWARE SPECIFICATION

### ➤ L2+ MANAGED ETHERNET SWITCH

Managed Gbps Ethernet Switch with Power-over-Ethernet (PoE) – IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, and IEEE 802.1X

Performance	10/100/1000 Mbps
Frame buffer	Jumbo frame support at all speeds
VLAN	IEEE 802.1Q with 8K MACs and 4K VLANs, GARP/GVRP
Multicast	IPv4 and IPv6 multicast group support
QoS	8 priorities and 8 QoS queues per port
Loop-prevention	Rapid Spanning Tree Protocol (RSTP) and MSTP
Link-Aggregation	Flexible link aggregation support based on Layer-2 through Layer-4 information (IEEE 802.3ad)
PoE	IEEE 802.3af and IEEE 802.3at

### ➤ ARANEA SOFTWARE CORE OPTIONS

L3 Protocols	OSPF, PIM-SM, DHCP, DNS, NTP, ACL, ARP, ICMP IPSec, DiffServ
Tactical Routing	IGMP Proxying (RFC 4605), tactical mesh algorithms for disconnected, intermittent, low-bandwidth (DIL) networks (unicast & multicast)
Vehicle Voice Integration	Management of intercom, telephony and radio voice streams
Tactical Telephony (TTEL)	Distributed telephony solution for tactical networks radio-over-IP (RoIP), radio bridge & conference.
Messaging (TMSG)	Distributed messaging solution for tactical networks

### ➤ MANAGEMENT

S NMP v1/v2c/v3, CLI, Web GUI, XMLRPC API for remote management, Syslog, configuration profiles (up/download), integrated Built In Test, status LED indicators

### ➤ DISPLAY

Display Color	Monochrom
Resolution	128 x 64 Pixel

### ➤ MECHANICAL DATA

Size	279 × 215 × 85 mm (L×D×H)
Weight	4 kg
Color	Black or different color on request available

### ➤ POWER

Power Supply	nach MIL-STD-1275E
Input voltage	18-60 VDC
Power	40 W plus PoE- Leistungsabgabe

### ➤ ENVIRONMENTAL CONDITIONS

Temperature	-40...+70°C in storage -40...+55°C in operation
Waterproof	MIL-STD-810E, 506.3, procedure II
Relative humidity	95% RH, MIL-STD-810E, 507.3, procedure I, cycle 3
Functional shock	MIL-STD-810F, method 516.5, procedure I, impulse (30 g, 11 ms, sawtooth wave)
Vibration	MIL-STD-810F, method 514.4-4 (1 – 6.5 g RMS, 5 – 500 Hz)
EMC	MIL-STD 461E, IEC 61000-4-2, IEC 61000-4-4, IEC 61000-6-2

➤ INTERFACES (NICHT ALLE SCHNITTSTELLENKOMBINATIONEN SIND IN BELIEBIGER ANZAHL KOMBINIERBAR)

060C

Electrical Ethernet	10/100/1000 Base-T	4
	10/100/1000 Base-T with PoE	8
	(PoE 802.3af/at max. 100W)	
Radio Analog Terminal Adapter	Audio, PTT, COR/Squelch, serial interfaces	4
USB	USB 2.0	2
Service	1 × 1000 Base-T, 1 × USB, 1 × VGA	yes

Optional features on request:

CAN	Vehicle CAN bus (manufacturer specific)	-
RS-485 / RS-232	Serial Interfaces	-