

RUAG TACTICAL COMMUNICATION PLATFORM

Tactical Access Node T – TAN T



➤ The **RUAG TAN T** is an integrated voice and data router that enables interoperable connectivity between core networks, command centers, separate command systems and tactical mobile radio networks.

The RUAG TAN T offers international armed forces and security organizations an essential foundation for today's communication infrastructure, which is critical to success. It enables compact, interoperable network access for tactical communication systems.

It offers all the routing and network functions and services of the RUAG ARANEA software core to seamlessly connect heterogeneous telecommunication networks to one another. It also offers secure and scalable functions for voice, data and image applications that are required for tactical communication by enabling connections to external, public, strategic and available networks. The creation of an extended All-IP network allows fixed-line communication devices and radio equipment to exchange information in order to increase situational awareness.



The RUAG TAN T was designed for extreme operating conditions. All interfaces are mounted in a compact housing that is optimally designed for use in a 19-inch rack system for mobile command posts or vehicles.

HARDWARE SPECIFICATIONS

MECHANICAL PROPERTIES

Waterproof and airtight housing, handles and 19-inch mounting adapter, hardened for military applications

Size [WxDxH]	380 × 132 × 268 mm Depth including connectors and fasteners: 308 mm
Weight	Approx. 10 kg
Cooling	Cooling function without air exchange from outside and inside of the housing. An internal fan ensures airflow, if necessary.

POWER

Input voltage	18-60 VDC or 110 VAC / 230 VAC with external power supply
Input power	85 W standard, 105 W maximum [temporary]

ENVIRONMENTAL CONDITIONS

Temperature	-40...+55° C during operation -40...+71° C in storage MIL-STD-810G, 502.5 Procedures I and II, 501.5 Procedures I and II
Relative humidity	95% RH MIL-STD-810G, Method 507.5 Procedure II (intensified), Fig. 507.5-7, 10 processes at 55° C
Vibration	MIL-STD-810G, Method 514.6, Cat. 5 - Truck / Trailer - Loose Cargo, Figure 514.6C-4.WLAN MIL-STD-810G, Method 514.6, Cat. 20 - Ground Vehicle, Figure 514.6C-3 and Table 514.6C-VI; Figure 514.6C-2 and Table 514.6C-IV (placement of the equipment in an anti-vibration frame)
Transit drop	MIL-STD-810G, Method 516.6, Procedure IV (transit drop in a transport case)
Shock	MIL-STD-810G, Method 516.6, Procedure I, with equipment placed in an anti-vibration frame

EMC

Radiation	MIL-STD-461F - CE102, Figure CE102-1 - RE102, 2 MHz to 18 GHz, Fig. RE102-4 Ground [curve Army]
Immunity	MIL-STD-461F - RS101 [radiated susceptibility, magnetic field, 30 Hz to 100 kHz] Figure RS101-1. - RS103 [radiated susceptibility, electric field, 50 V/m 2 MHz to 18 GHz] - CS101 [conducted susceptibility, power cable, 30 Hz to 150 kHz, Figures CS101-1 Curve 2 (operating voltage ≤ 28 Vdc), CS101-2] - CS114 [conducted susceptibility, bulk cable injection 10 kHz to 200 MHz], Figure CS114-1 for all cables [Table VI: 10 kHz-2 MHz. curve #2, 2 MHz-30 MHz. curve #2, 30 MHz-200 MHz curve #2] - CS115 [conducted susceptibility, bulk cable injection, impulse excitation] Figure CS115-1 - CS116 [conducted susceptibility, damped sinusoidal transients, cables and power lines, 10 kHz to 100 MHz, Figure CS116-2, IMax = 10 A]

NOTES

- Default color: RAL 9005
- Other configurations on request
- External fan, 19-inch mounting set, a/b patch panel available on request
- Some of the features listed are available only as options.

INTERFACES

	Configuration >	T210E	T210L	T230A	on request
Switched electrical Ethernet	10/100/1000 Base-T 10/100/1000 Base-T with PoE	6	6	10	
Switched optical Ethernet	1000 Base-LX	-	-	-	
SFP+	Small form-factor pluggable	-	-	1	
Radio terminal adapter	Audio, PTT, COR/Squelch, Serial Interface	2	6	6	
Analog telephony	FXS a/b FXO	16 4	-	-	
E1	E1 (each with 30 channels)	3	3	-	
SHDSL	G.SHDSL [2 wire]	3	-	-	
EUROCOM	EUROCOM EES/D/1	2	-	-	
USB	USB 2.0	1	1	1	
WLAN access point	802.11 a/b/g	-	1	-	
Service	1 × 100 Base-T, 1 × USB, 1 × VGA	✓	✓	✓	
Optional					
LTE Modem	LTE: 800/900/1800/2100/2600 MHz	-	1	-	

Product features and specifications may change without prior notice.