

rovenma
Smart Technology

ROVSAT

SATELLITE
COMMUNICATION
EQUIPMENT

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ROVENMA

Our Vision

To be a highly competitive technological company with original, value-added and national products, that follows updated and developing technology.

Our Mission

To develop technology, goods and services at world standard which make difference, reduce foreign dependency and user-friendly; with our experienced, dynamic, young team that have R&D, design and innovation capabilities.

Our Quality Policy

It is never enough for us that a product only works. Performance, quality, reliability, price and security are our most important design principles.



Discover
the potential

R&D, Engineering and Design

Our R&D and design headquarters are located in Hacettepe Teknokent, a major technology hub in Ankara, Turkey.

R&D and design team has the following technical capabilities;

- High Speed PCB Design
- Embedded Software Design
- FPGA/ASIC Digital Design
- Industrial Design
- 3D Design
- Mechanical Design
- Mechanical Analysis
- Server Software Development
- PC Software Development
- Mobile Software Development
- Numerical Analysis
- Industrial Automation
- Cloud-Based Big Data
- Robotics
- Technical Consulting

Manufacturing and Installation

Rovenma is, in addition to its R&D capabilities, a hands-on manufacturing company. Our 3000m² factory is located in one of the most important production areas in Ankara, Turkey.

Most of the production is carried in-house by our expert staff and high technology manufacturing equipment. In addition to the production capabilities, the Rovenma team has competence in installation and maintenance-repair services all around the world.



- PCB Production
- Electronic PCB Assembly
- Cable Harness Production
- Mechanical Assembly
- Electronics Assembly
- Metal Injection
- Plastic Injection
- Sheet Metal Cutting
- Sheet Metal Bending
- Precision Machining
- 3D Printing
- Industrial Painting
- Shipping
- Infrastructure Works
- Data and Energy Operations
- Assembly
- Start-up (Final Test)
- Maintenance and Repair Services

Technical Content

In the current situation of technology, communication technologies cut across all boundaries. It is desirable to conduct uninterrupted communication with the highest speeds on land, sea, air and space.

To meet these needs, domestic and national high frequency wireless communication system RovSAT, which is developed by Rovenma, has several usage areas.

Areas of Usage

Military mobile (land/sea/air) communication

Point-to-point large data transfer and back-up

Closed loop corporate/military communication

Personal and corporate Internet

Internet access back-up



Features

Duplex communication

Opportunity of communication with variable bandwidths from 10 Kbps to 25 Mbps

To provide flexibility of enterprise network, work as Ethernet L2 or Ethernet L3 network device

Direct integration with Kindi EtherKripto10GS

Versatile quality service according to congestion, CBR, CIR

Remote monitoring and control devices supporting VNO requirements

Rate adaptation of return connection and providing high accessibility to the low power control signals

Durable design for 19" cabs

Connection multiplexing and aggregation support to meet high performance requirements



Options

High speed Internet access

Private network access with full Ethernet capacity

High quality Voice-over-IP (VoIP)

High speed Video conference

Multicast and content verifier

Remote office connection - enterprise network extension

Remote communication for production, prompt action and government

Business continuity



Uninterrupted, High Speed,
All Over Communication

ROVSAT

Features of Terminal Device

TX/RX Channel Modulation Support			
BPSK	QPSK	APSK-16	APSK-32

TX/RX Speeds	
TX Channel: Maximum 25 Mbps depending on bandwidth and topology	RX Channel: Maximum 25 Mbps depending on bandwidth and topology

Managing		
Local control with web interface	TR-069 management	SNMP management

Network		
Ethernet L2	Ethernet L2 + VLAN	Ethernet L3

Power Source
240 VAC, 50 to 60 Hz

Physical		
Operating temperature: -30 +80 °C	Storage temperature: 0 +40 °C	Humidity: 0 +95 %

Certificates	
CE	EMC/EMI

Interfaces			
Ethernet	Fiber Optic MM	RS232	USB

Features of Antenna Interface

- Features

ANTENNA	120 cm		180 cm	
eTRIA	4W	6W	4W	6W
EIRP (Nominal @29.75 GHz)	53.4 dBW	55.6 dBW	57.2 dBW	59.4 dBW
G/T (Nominal @19.95 GHz)	23.0 dB/K		26.2 dB/K	
POLARIZATION	Cyclical, cross polarization, co-polarize, switching option control			
WEIGHT	30.4 kg		121.6 kg	
MAST SIZE	76.2 mm		141 mm	

• Outer Space

Power:	24 – 50 VD
Outside Temperature:	-30 +80 °C
Humidity:	0 ve 100 derece%
Rain:	<100 mm/h
Wind:	50 mph

• Interfacility Link Cable

Type:	RG-6, 75 ohm
Connector:	F (male)
Maximum Length:	60 m



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Communication
Equipment



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