



GATR 1050TS OUTDOOR MODEM

The GATR 1050TS is a compact, rugged outdoor modem that is based on Comtech EF Data modem technology. Ideal for mobile/ transportable communications, the GATR 1050TS is packed with features ensuring stable communications no matter where your mission takes you.

- FIPS 140-2 Module (TRANSEC)
- STANAG 4486 (EBEM)
- Waterproof enclosure
- Two Data LAN ports for flexible network configuration
- -32C to +55C operating temperature range
- Signal strength and network status LED (number and display)
- Blackout switch
- MIL-STD-188-165A Compliant
- 10 MHz reference for LNB and BUC
- DC injected on IFL to power the LNB (18V, 0.65A Max)
- Configurable DC power (24V, 6A max) on IFL for low-powered BUCs
- Embedded carrier monitor
- Web-based user interface (WUI) for real-time configuration, commissioning, and monitoring of the satellite router



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Visit www.GATR.com, or contact us for demonstration.

GATR 1050TS Outdoor Modem Specifications

Modem Characteristics		
Network Topology	SCPC / Point-to-Point	MIL-STD-188-165A, STANAG 4486 Ed. 3 (EBEM), IESS-315
Modulation	FDMA	BPSK, QPSK, OQPSK, 8PSK, 8-QAM, 16-QAM, 16APSK
	FEC	EBEM (STANAG 4486), Viterbi, Trellis, LDPC, TPC, 165B Turbo, Reed Solomon
Max Rates	Data	37 Mbps
Spread Spectrum	Spreading Factor	1, 2, 4, 8, and 16 (HP-LDPC BPSK 1/2)
	Max Chip Rate	10 Mcps
Interfaces		
SatCom	Tx Out	N-Type 950-2050 MHz, Power: -25 to 0dBm
	Rx In	N-Type 950-2050 MHz; Max Power: +20dBm or +40dBc
	Rx Out	N-Type 950-2050 MHz
Data and M&C	LAN	Two RJ45 Data Ports, One RJ45 M&C Port w/ Web User Interface and SNMP
	Console	RS-232
Features and Compatibility		
Features Supported	TCP, UDP, HTTP, FTP, DHCP, QoS, Strict Priority Queuing, Ethernet Flow Control, Radyne HDLC, Comtech HDLC, 570 Managed Switch Mode, Automatic Uplink Power Control, Information Throughput Adaptation	
Security	TRANSEC Module	FIPS 140-2, Level 2 Certified
Ethernet Interface Modem Compatibility	DMD20, DMD50, DMD2050, DMD2050E, CDM-570A, CDM-570AL, CDM-570, CDM-570L, CDM-625A, CDM-625, SLM-5650A, and MD1366	
Mechanical/Environmental		
Size	16.5 in x 9.8 in. x 2.7 in (437 in. ³)	
Weight	13.8 lbs	
Operating Temperature	-32C to +55C	
Storage Temperature	-40C to +60C	
Altitude	< 15,000 ft (operational), < 40,000 ft (non-operational)	
Relative Humidity	0% to 95% non-condensing	
Input Voltage	18-36 VDC	



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