



GATR 950 iDirect MODEM

Cubic | GATR has introduced the GATR 950, a compact, rugged outdoor modem that is based on iDirect Velocity™ and Evolution technology. Ideal for mobile/ transportable communications, the GATR 950 is packed with features ensuring stable communications no matter where your mission takes you.

- ▶ Waterproof enclosure (method 506.5, procedure 1)
- ▶ Two LAN ports for flexible network configuration
- ▶ -32C to +55C operating temperature range
- ▶ Switchable DC power (24V, 6A max) on IFL for low-powered BUCs
- ▶ Global broadcast system (GBS) in MPE mode
- ▶ GPS receiver allows for relocation without modifying options file
- ▶ 10 MHz reference for LNB and BUC
- ▶ DC injected on IFL to power the LNB (18V, 0.65A Max)
- ▶ Signal strength and network status LEDs
- ▶ Embedded carrier monitor
- ▶ Web-based user interface (WUI) for real-time monitoring, configuring, and commissioning the satellite router
- ▶ Evolution Series iDX 3.4 and above, Velocity Capable



CUBIC™



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

GATR 950 iDirect Modem Specifications

Configuration			
Network Topology	Star	DownStream	UpStream
Modulation		DVB-S2/ACM/CCM Evolution/Velocity	Adaptive TDMA
		QPSK, 8PSK, 16APSK, 32APSK	BPSK, QPSK, 8PSK, 16QAM
	FEC	LDPC 1/4 - 8/9	2D 16-State 1/2 - 6/7
Max Rates	Symbol	45 Msps	29 Msps
Spread Spectrum	Spreading Factor		2, 4, and 8
	Max Chip Rate		29 Mcps
Interfaces			
SatCom	Tx Out	N-Type 950-2400 MHz; Power: -35 to +5dBm	
	Rx In	N-Type 950-2150 MHz; Max Composite: -5dBm	
	Rx Out	N-Type 950-2150 MHz	
Data and M&C	LAN	Two 10/100/1000 RJ45 Data Ports, One RJ45 M&C Port w/ Web User Interface (WUI)	
	Console	RS-232 (9600 baud, 8-1-N)	
	Auxiliary Interfaces	Serial GPS Interface at RS-232; BUC Keyline	
Protocols Supported	TCP, UDP, ICMP, IGMP, RIP v2, Static Routes, NAT, DHCP, DHCP Helper, Local DNS Caching, cRTP, and GRE		
Security	AES Link Encryption (256-bit), TRANSEC, FIPS 140-2 Level 3 Compliant, x.509 digital certificates authentication, Automatic Key Management		
Traffic Engineering	Group QoS, QoS (Priority Queuing and CBWFQ), Strict Priority Queuing, Application Based QoS, Minimum CIR, CIR (Static and Dynamic), Rate Limiting		
Other Features	Built-in Automatic Uplink Power, Frequency and Timing Control (star), Authentication, Antenna Control Interface (OpenAMIP), Multi-Protocol Encapsulation, Low-speed COTM		
Mechanical/ Environmental			
Size	16.5 in x 7.75 in. x 2.5in. (320 in. ³)		
Weight	8.2 Pounds		
Operating Temperature	-32C to +55C		
Storage Temperature	-40C to +85C		
Altitude	< 15,000 ft (operational), < 40,000 ft (non-operational)		
Relative Humidity	0% to 95% non-condensing		
Input Voltage	+18V to +36V		




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