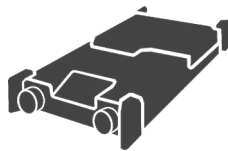




Photo by Tech. Sgt. John Winn

Features and Benefits

- Direct Sequence Spread Spectrum (DSSS)
- MIL-STD-188-165A
- STANAG 4486 Edition 3, Annex E (EBEM)
- Information Throughput Adaptation (ITA)
- Automatic Uplink Power Control (AUPC)
- TRANSEC Compatible
- Carrier Monitor
- Test to MIL-STD-461G and MIL-STD-810G
- Web-based User Interface (WUI) for Management and Control
- External Signal Strength Indicators and Blackout Switch
- 10 MHz Reference
- DC Injection for LNB and BUC
- Firmware Upgradeable



Shadow Box Outdoor Modem

The GATR Shadow Box is a compact, rugged outdoor modem that provides a robust carrier to protect information in the worst electromagnetic environments. Ideal for mounted or dismounted communications, the GATR Shadow Box is packed with features ensuring stable communications no matter where your mission takes you.



Specifications

Comtech EF Data SLM-5650C Modem Characteristics		
Network Topology	Point-to-Point	MIL-STD-188-165A, STANAG 4486 Edition 3, Annex E (EBEM), IESS-315
Modulation	FDMA	BPSK, QPSK, OQPSK, 8PSK, 8-QAM, 16-QAM, DSSS
	FEC	Viterbi, Reed Solomon, Turbo, LDPC, STANAG
Data Rates	Data	8 Kbps to 155.52 Mbps*(Option)
Spread Spectrum	Integer Factor	2, 3, 4, ...512
	Max Chip Rate	Up to 64 Mcps
Interfaces		
SatCom	Tx Out	N-Type 950-2000 MHz, Power: +10 to -40dBm
	Rx In	N-Type 950-2000 MHz; Max Power: +20dBm or +40dBc
	Rx Out	N-Type 950-2000 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, Comtech HDLC, 570 Managed Switch Mode, Automatic Uplink Power Control (AUPC), Information Throughput Adaptation (ITA)	
Security	TRANSEC Module	TRANSEC AES-256
Modem Compatibility	SLM-5650C	DMD20, DMD50, DMD2050, DMD2050E, CDM-570A, CDM-570AL, CDM-570, CDM-570L, CDM-625A, CDM-625, SLM-5650A, SLM-5650B, SLM-5650C
Carrier Monitor	Web User Interface, RF Tuning Range	70MHz to 6GHz
	RF Channel Bandwidth	Up to 50MHz
	RX Gain Range	0-76 dB, 1dB steps
Mechanical/Environmental		
Size	16.5 in x 7.75 in. x 2.5 in (320 in. ³)	
Weight	8.85 lbs	
Operating Temperature	-32°C to +55°C	
Storage Temperature	-40°C to +60°C	
Altitude	< 15,000 ft (operational), < 40,000 ft (non-operational)	
Relative Humidity	0% to 95% non-condensing	
Input Voltage	18-36 VDC	

Shadow Box Outdoor Modem



CHANGING THE SHAPE OF SATCOM

GATR is revolutionizing the ultra-portable SATCOM industry with its inflatable communications terminal. Compared to other deployable rigid dishes of comparable size, GATR's unique shape and designs enable extreme portability, lower cost of ownership, reliability in extreme environments, and ease of set up.