GS 950

The **GS950** is the newest member of GetSAT's family of modem options. This next generation ruggedized satellite router is a multi-core, multi-function modem option for the most demanding users.

The **GS950** provides an external, IP66 rated modem option for users to access ka-band networks in any weather and environmental conditions.

INMARSAT'S GLOBAL XPRESS TYPE APPROVED | WORLDWIDE SATCOM ON THE MOVE | OPEN BMIP/OPEN AMIP SUPPORTED
AES LINK ENCRYPTION | SUPPORTS ALL GETSAT PRODUCTS | WIDE RANGE POWER INPUT 16-50 VDC | TWO ETHERNET PORTS
MCPC NETWORK | VLAN MANAGEMENT | SEPERATED MANAGEMENT PORT | GX IN THE FLIP OF A SWITCH

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NETWORK CONFIGURATION

Compatibility	Evolution® and iDirect Velocity™ compatible		
Network Topology	Star		
		Downstream	**Upstream**
Modulation		DVB-S2/ACM QPSK, 8PSK, 16APSK, 32APSK	Adaptive TDMA BPSK, QPSK, 8PSK
FEC		LDPC 1/4 - 8/9	2D 16-State, 1/2 - 6/7
Maximum Rates	Symbol	45Msps	29 Msps
	Maximum downstream and upstream data rates cannot be achieved simultaneously Maximum rates are achieved with optimal configurations		
Spread Spectrum	Spreading Factor Max Chip Rate		2, 4 and 8 29 Mcps

INTERFACES

SatCom Interfaces	Tx: Type-SMA, 950-2400 MHz, +5dBm/-35dBm, 50Ω Rx: Type-SMA, 950-2150 MHz, -5dBm (max) composite/ -130+10*log (Sym rate) dBm (min) single carrier, 50Ω Rx Reference Port (Out): Type-SMA, 50Ω
Available BUC Power (IFL)	+24V, 2A max available @ connector
Available LNB Power (IFL)	Rx: 13-19V @ 0.45A, 22KHz DiSEqC tone
Data Interfaces	LAN: Dual 10/100/1000 Mbps Ethernet
I/O	RS-232 Console, RS-232 Serial NEMA GPS Input, RS-422 Keyline, RS-422 BUC control, RS-422 Filter Select
Protocols Supported	TCP, UDP, ICMP, IGMP, RIPv2, Static Routes, NAT, DHCP, DHCP Helper Local DNS Caching, OpenAMIP, cRTP, and GRE
Security	AES FIPS 140-2 Level 3, Link Encryption (256-bit)**, TRANSEC, 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, Authentication, Antenna Control Interface (OpenAMIP), Supports Multiprotocol Encapsulation (MPE), Low-Speed COTM

Mechanical/Environmental

Size	30.5 x 30.5 x 4.5 cm (12 x 12 x 1.77")
Weight	3.8 kg (8.4 lb)
Operating Temperature	-40° to +140°F (-40° to +60°C)
Altitude	Operational: Up to 15,000 ft (4,572m); Storage: Up to 40,000 ft (12,192m)
Input Voltage	24-48V DC
Power Consumption	< 20Watts
Certifications	Built to meet FCC, UL, CE, EU and Canadian Standards RoHS compliant WGS certification pending Meets MIL-STD 810G

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