

Network Configuration

Symbol Rates	64 ksps up to 11.5 Msps
Modulation	QPSK, BPSK, (8PSK*)
IP Data Rates	128 kbps – 18 Mbps
FEC	TPC Rate 0.879, 0.793, 0.533 (Other FEC Rates will be available in the future)
E_b/N_o	3.9 E_b/N_o for 10^{-9} Quasi Error Free @ 0.533 FEC 4.6 E_b/N_o for 10^{-9} Quasi Error Free @ 0.793 FEC 4.8 E_b/N_o for 10^{-9} Quasi Error Free @ 0.879 FEC

Interfaces

SatCom Interfaces	TxIF: Type-F, 950 - 1700 MHz, Composite Power +7dBm / -35dBm RxIF: Type-F, 950 - 1700 MHz, Composite Power -5dBm / -65dBm TVRO: Type-F, 950 - 1700 MHz
Available BUC Power (IFL)	+24V @ 3.2 Amps (Nominal, Typically up to 5W BUC)
Available LNB Power (IFL)	+19.5V (Nominal)
10 MHz Reference	Available
Data Interfaces	LAN: Single 10/100 and 8-Port 10/100 Switch, 802.1q VLAN RS-232: RJ45 (for GPS or Console connection or Antenna Pointing)
Protocols Supported	TCP, UDP, ICMP, IGMP, RIP Ver2, Static Routes, NAT, DHCP, DHCP Helper, Local DNS Caching, cRTP
Security	AES or 3DES Link Encryption Available
Traffic Engineering	QoS (CBWFQ), Minimum CIR, CIR (Static and Dynamic), Rate Limiting, Bandwidth on Demand

Mechanical/Environmental

Size	W 11.375 in x D 9.5 in x H 2 in (W 28.9 cm x D 24.1 cm x H 5.1 cm)
Weight	10 lbs (Including Power Supply) [4.6 Kg]
Rack Mounting	19" Rack Mountable, 19" Wide x 3.44" High (2U) x 11.5" Deep
Operating Temperature	0° to 50°C (+32° to +122°F) at Sea Level 0° to 45°C (+32° to +113°F) at 10000 Feet
Input Voltage	100-240 VAC Universal Input, 50-60 Hz, 2A Max @ 100VAC

* - Planned for future release. Specifications subject to change without notice