

Satcom & Antenna Technologies Division



Overview

CPI Satcom & Antenna Technologies' (CPI SAT) new Modular Terminals are the solution to the Satcom service provider's search for cost effective, quick delivery, ground segment equipment across the application spectrum. Designed and built by CPI SAT the leading global supplier of satellite ground station products and systems, the Modular Terminals provide reliable connectivity at an affordable price.

- Complete out of the box satcom Gateway and User terminals
- One stop shop for fully engineered, cost effective, and fast delivery solutions
- Guaranteed system level performance with unmatched reliability
- Ideally suited for data, video and voice applications
- 5-year comprehensive terminal warranty
- Compliant with FCC, ITU 580, Intelsat, Eutelsat, AsiaSat, CE, RoHS, and REACH

FEATURES

- Gateway Terminal configurations: 3.8m, 4.8m and 6.3m antennas
- Designed to meet certain EIRP and G/T specifications.
- Supplied with RF kits that include BUCs and LNBs, mounting hardware and transmit and receive cabling
- Unmatched reliability and true cost savings
- Modem-agnostic for universal applications
- Compliant to major standards and regulations:
 - ITU 580, FCC, Intelsat, Eutelsat and AsiaSat
 - CE, RoHS, REACH

OPTIONS

- Redundant RF equipment
- G/T choices in a range of terminal apertures
- Increased EIRP capabilities to fit requirements
- Dual Polarization operation
- Extended IFL
- Antenna Control System
- Antenna Deice Subsystem

ONE STOP SHOP

- Guaranteed performance at system level
- Fast and complete delivery from one location
- Comprehensive 5-year warranty
- Available installation, testing and maintenance services
- Responsive 24x7 Customer Care

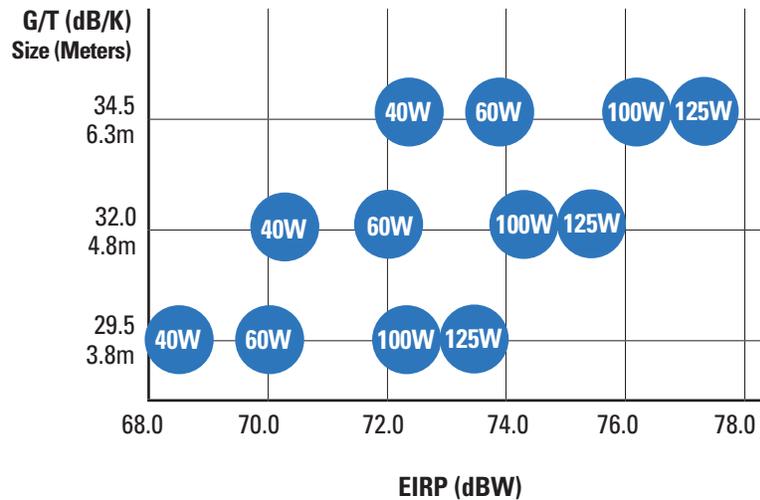
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ANTENNA SIZE				
Aperture		3.8M	4.8M	6.3M
TERMINAL PERFORMANCE				
Terminal G/T @ 11.7 GHz		29.5 dB/K	32.0 dB/K	34.5 dB/K
BUC Power / Saturated EIRP @ mid-band (Non-redundant)	40 W 60 W 100 W 125 W	68.3 dBW 70.0 dBW 72.3 dBW 73.2 dBW	70.2 dBW 72.0 dBW 74.2 dBW 75.1 dBW	72.4 dBW 74.1 dBW 76.3 dBW 77.3 dBW
Receive Frequency Range	Select 10.95 - 11.70 GHz, 11.70 - 12.20 GHz, or 12.25 - 12.75 GHz			
Transmit Frequency Range	13.75 - 14.50 GHz			
ANTENNA MECHANICAL				
Antenna Optics		Dual offset	Compact Cassegrain	
Sidelobe Performance	ITU-RS-580, FCC			
RF Specification		975-2936	975-5054	975-5055
Mount Configuration	Elevation over azimuth pedestal			
Drive Type	Jack screw			
Azimuth Travel		190° (2 segments @ 120° each)	120° continuous	200° (2 segments @ 120° each)
Elevation Travel	0° - 90° continuous			
TERMINAL ENVIRONMENTAL				
Wind Loading - Operational	45 mph (72 km/h) gusting to 60 mph (97 km/h)			
Wind Loading - Survival	125 mph (200 km/h) @ 58° F (15° C) any position			
Rain	Up to 4 in/h (10 cm/h)			
Operating Temperature Range	-15° to 50° C			
Ice, Survival	1 in (2.5 cm) on all surfaces or 1/2 in (1.3 cm) on all surfaces with 80 mph (130 km/h) winds			
Atmospheric Conditions	As encountered in coastal regions and/or heavy industrialized areas			
OTHER SPECIFICATIONS				
SSPB Electrical Power at Antenna		Voltage: 90-265 VAC/ 50-60 Hz		
		40W: 250W max	60W: 260W max	100W: 580W max 125W: 600W max
SSPB External Reference Required	10 MHz, -5 to +5 dBm on IF input (Internal Reference optional)			
LNB Electrical Power	15-24 VDC, 200 ma, Supplied by CFE Modem for non-redundant LNBs or from LNB power supply with redundancy system option			
LNB Reference Frequency	Internal Baseline (±5 KHz); External 10 MHz, -5 to +5 dBm on IF input option			

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TERMINAL PERFORMANCE OPTIONS



Contact us at CustomerCareSAT@cpii.com or call us at +1 770-689-2040.

The data should be used for basic information only.

Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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