Preconfigured Modular Solutions for Satcom Terminals

User Terminals

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

- User Terminal configurations: 1.2m, 1.8m and 2.4m 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

- G/T choices in a range of terminal apertures
- Increased EIRP capabilities to fit requirements
- Extended IFL

ONE STOP SHOP

- Guaranteed performance at system level
- Fast and complete delivery from one location
- Comprehensive 5-year warranty
- Responsive 24x7 Customer Care

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ANTENNA SIZE			
Aperture	1.2M	1.8M	2.4M
TERMINAL PERFORMANCE			
Terminal G/T @ 11.725 GHz	19.5 dB/K	23.2 dB/K	25.7 dB/K
BUC Power / Saturated EIRP 6 W @ mid-band (Non-redundant) 20 W 25 W 30 W	50.8 dBW 56.1 dBW 57.0 dBW 57.8 DBW	54.5 dBW 59.8 dBW 60.7 dBW 61.5 dBW	57.0 dBW 62.3 dBW 63.2 dBW 64.0 dBW
Receive Frequency Range	10.70 - 11.70 GHz, 11.70 - 12.75 GHz (switch selectable)		
Transmit Frequency Range	13.75 - 14.50 GHz		
ANTENNA MECHANICAL			
Antenna Optics	Prime focus, offset feed		
Model Number	1134	1194	1244
Reflector	1 segment SMC, 0.8 F/D		4 segment SMC, 0.8 F/D
Mast Pipe Size	2.5" SCH 40 Pipe (2.875" OD)	5" SCH 40 (5.56"OD)	6.0" SCH 40 (6.63"OD)
EL Adjustment Range	5-90˚cont. fine adjust		
AZ Adjustment Range	±20˚ fine, 360˚ continuous	±45˚ fine, 360˚ continuous	±30˚ fine, 360˚ continuous
Mount Type	Elevation over azimuth		
RF Electronics Weight	Tier 3 (20 lb Max.)		
ANTENNA ENVIRONMENTAL			
Wind Loading - Operational	50 mph (80 Km/h)		
Wind Loading - Survival	125 mph (200 km/h)		
Rain	1/2" / hr		
Operating Temperature Range	-40° to 55° C		
Ice, Survival	1/2" radial		
Atmospheric Conditions	Salt, pollutants and contaminants as encountered in coastal and industrial areas		
OTHER SPECIFICATIONS			
SSPB Electrical Power at Antenna	6W: 12-30 VDC, 48 W max 20W, 25W, 30W: 90-265 VAC/ 50-60 Hz 20W: 130W max 25W: 180W max 30W: 200W max		
SSPB External Reference Required	10 MHz, -5 to +5 dBm on IF input (Internal Reference option, except for 6W)		
LNB Electrical Power	10-24 VDC, 200 ma, supplied by CFE modem		
LNB Reference Frequency	Internal (3ppm), or external 10 MHz, -5 to +5 dBm on IF input from CFE modem		

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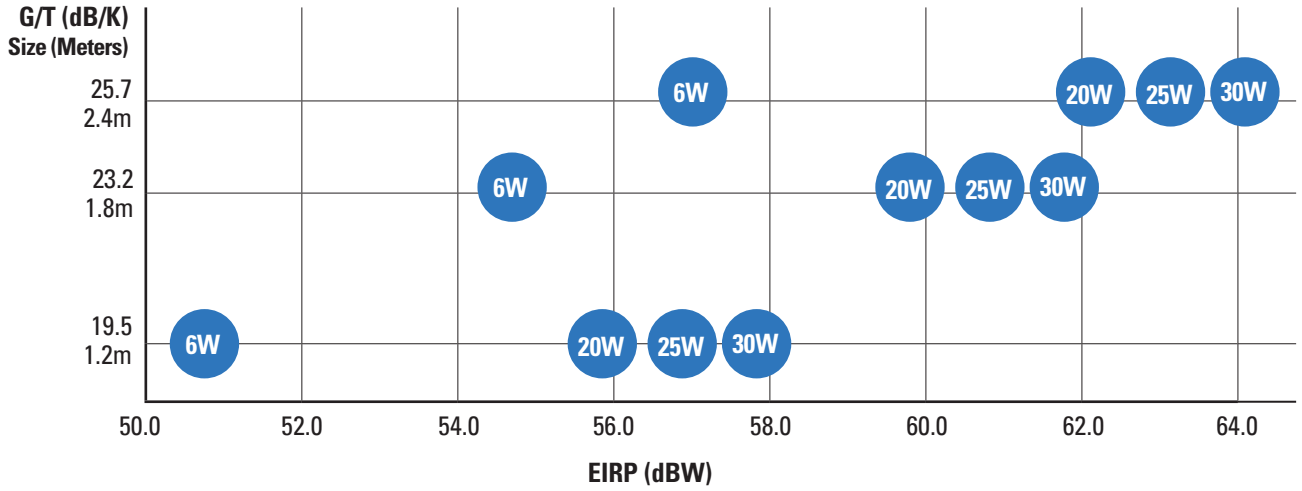
TERMINAL PERFORMANCE OPTIONS



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.

Communications & Power Industries

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