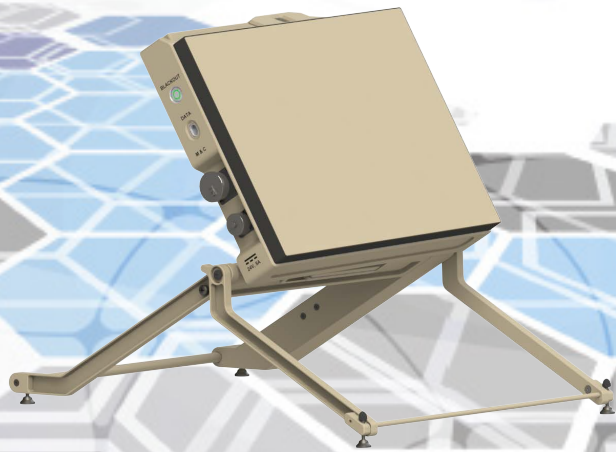# TALON Mil Ka Terminal

High Performance and extremely robust Ka-Band Manual Point Flat Panel (MPFP) SATCOM Terminal

TALON Mil Ka Terminal

Talon (Mil Ka) is a ultra-small, fully ruggedized Manual Point Flat Panel (MPFP) SATCOM Terminal that allows for high throughput communications through the Inmarsat Military Ka constellation of satellites. It has an embedded Black Ice Lite modem that has Direct Sequence Spread Spectrum technology providing LPI/LPD capability, and AES encryption. It is a tactical ready terminal with a user friendly interface including on-board assisted pointing applications and single button calibration features. Talon is at home in a wide range of circumstances; from the battlefield to the comfort of a 5 star suite.

Terminal Features:

- Compact Laptop style design
- Compatible with Tri-Pod base.
- External Universal Power Supply
- Can be powered by BB 2590/5590 batteries.
- Lightweight
- Antenna adjustments in El and skew
- 135W total AC power draw
- Integrated GPS position & compass
- Fast satellite acquisition process.
- Embedded Black Ice Lite modem with DSSS technology and AES encryption.
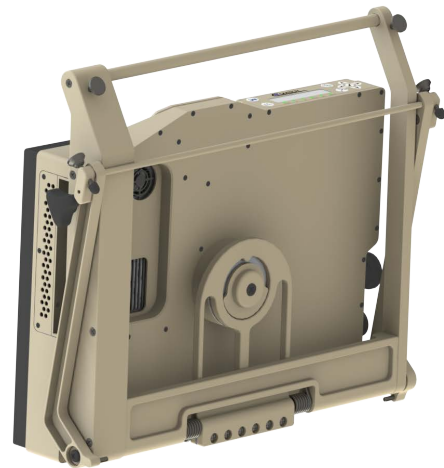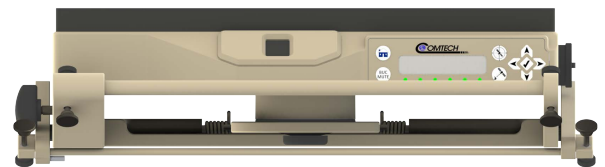
Enviromental:	
Operating Temperature	-20°C (-4°F) to 50°C (122°F)
Storage Temperature	-50°C (-58°F) to 70°C (158°F)
Humidity	Up to 100% condensing
Altitude	Up to 10,000 meters

Technical Specifications:

Frequency Range	RX: 20.2 to 21.2 GHz TX: 30 GHz to 31 GHz
Transmit Output	7.5 Watts Linear
Data Interface	10/100/1000 Base-T Ethernet
Modem Features	Waveform: DSSS TX LDPC RX
	Downstream Suppport: 200 ksps to 30 Msps
	Upstream 8 kbps to 23 Msps (LDPC DSSS HP mode)
Modulation	BPSK, QPSK, 8QAM, 16 QAM
Monitor & Control	Comtech integrated display with capacitive buttons & web-based GUI
TX Mute	Single button press
Built in Test (BIT)	Full set of alarms and parameters
Power	24 VDC, 110/220 VAC or battery power (BB2590/5590)
Consumption	135 Watts Max Linear

Dimensions:

Height	15.54 inches Stowed
Width	18.64 inches Stowed
Depth	4.55 inches Stowed

Comtech Systems Inc.

212 Outlook Point Drive, Suite 100
Orlando, FL 32809 USA
Outside US:+1.407.854.1950
www.comtech.com

About Comtech

Comtech Telecommunications Corp. (Nasdaq: CMTL) is a leading global provider of next-generation 911 emergency systems and secure wireless communication technologies to commercial and government customers around the world. Comtech designs produces and markets advanced and secure wireless solutions.