

TALON GX Terminal



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

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Talon is a ultra-small, fully ruggedized Manual Point Flat Panel (MPFP) SATCOM Terminal that allows for high throughput communications through the Inmarsat GX constellation of satellites. It is a tactical ready terminal with executive functionality 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
- External Power Supply
- Lightweight (<15lbs)
- 135W total AC power draw
- Integrated GPS position & compass
- Embedded iDirect CX 751 Modem



Technical Specifications:

Frequency Range	RX: 19.2 to 20.2 GHz TX: 29 GHz to 31 GHz
Transmit Output	12 Watts Linear
Data Interface	100/100/1000 Base-T Ethernet
Modem Features	Waveform: DVB-S2/ACM/CCM Evolution/Velocity A-TDMA
	Downstream Support: 1 Msps to 45 Msps
	ATDMA Upstream:128 Ksps to 29 Msps
Modulation	Dual Frequency and Polarization
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 or 110/220 VAC
Consumption	135 Watts Max Linear
RX Gain (mid-band)	35.5 dBi
TX Gain (mid-band)	39.0 dBi
EIRP	47.8 dBW @ P Linear
G/T	12.65 dB/K

Dimensions:

Height	15.54 inches Stowed
Width	18.64 inches Stowed
Depth	4.55 inches Stowed
Weight	less than 25lbs

Environmental:

Operating Temperature	-20 °C (-4 °F) to 60 °C (140 °F)
Storage Temperature	-50 °C (-58 °F) to 70 °C (158 °F)
Humidity	Up to 100% condensing
Altitude	Up to 10,000 meters

**About Comtech**

Comtech Technologies 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.