

COMET



COMET[®]

**The smallest and lightest
troposcatter system
available**

COMET

The Comtech COMET™ (Compact Over-the-horizon Mobile Expeditionary Terminal) has an operational configuration weighing only 50 lbs, allowing it to be airline checked, automobile transported, and carried into the field. The Comtech COMET™ is capable of achieving up to 60 km BLOS links at data rates of 5 to 60 Mbps. Designed using the industry leading CS67PLUS troposcatter radio, the Comtech COMET™ can operate single stream from 946 kbps to 105 Mbps or dual stream from 1.892 to 210 Mbps (actual throughput based on terrain). Adaptive Coding and Modulation (ACM) can optimize average throughput over time. With Comtech's standard 1 m antenna, the Comtech COMET™ can be set up by one person in as little as 15 minutes. The feature-rich Comtech COMET™ can easily be linked with other Comtech tactical, mobile, and fixed terminals to provide the ideal Beyond Line-of-Sight troposcatter system for tactical Military, Disaster Recovery, and Emergency Restoral Communications anywhere in the world.

Key Features:

- Designed to provide 5 to 60 Mbps on links up to 60km (terrain dependent)
- Troposcatter optimized, powerful
- LDPC Forward Error Correction
- IP interface
- ACM to maximize average throughput
- Adaptive link power control to radiate power when not required
- Easy-to-use Graphical User Interface for local and remote monitoring and configuration with operator's smart phone or optional tablet
- Built-in Path Analysis Tool (optional)
- 1 m lightweight antenna



Technical Specifications:

Frequency Range	4.4 to 4.65 GHz and 4.75 to 5.0 GHz in 100 kHz increments
Transmit Output Power	10 watts
Data Interface	100/1000 Base-T Ethernet
Terminal Data Rate	Single Stream: 946 kbps to 105.194 Mbps (actual throughput based on terrain)
	Dual Stream: 1.892 to 210.388 Mbps (actual throughput based on terrain)
Diversity Order	Dual Frequency and Polarization
	Single
Monitor & Control	Comtech integrated web-based GUI
Engineering Orderwire	Modem GUI Chat
Built in Test (BIT)	Full set of alarms and parameters monitored by user smart phone or optional tablet
Voltage	24 VDC
Consumption	125 Watts

Environmental:

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

Dimensions:

Electronics Hub Case	25.08"W x 15.7"H x 19.47"D
	59.4 lbs (26.9 kg)
Reflector/Tripod Case	24.66"W x 24.92"H x 14.15"D
	56 lbs (25.4 kg)



CS67PLUS Troposcatter Radio

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.