

GDT20

The GDT20 Ground Data Terminal is a reliable and simple omni-directional solution for mission distances up to 20 km.

THREOD
SYSTEMS

Key features:

- Modular solution with many mounting and usage possibilities
- Can be equipped with most OEM data-links
- Completely weatherproof
- Very short setup time



GDT20 Specifications Standard configuration



GDT20 set

Radio module	
Frequency range	2200-2500MHz ¹
Max TX power	4W (36dBm)
Waveform	Mobile Networked MIMO (MN-MIMO)
Modulation	BPSK, QPSK, 16-QAM, 64-QAM
Channel Bandwidth	5/10/20 MHz
Encryption	AES256
Tuning step size	1kHz
Data rates	100+ Mbps
No. of RF channels	2
Features	Spatial Multiplexing, Space-Time Coding, TX Eigen Beamforming, RX Eigen Beamforming
Physical interface	32pin pogo-pin connector (data) 2x BMA connectors (RF)
Signaling interfaces	Ethernet, USB 2.0, GPIO, RS232, analog (speaker, microphone)
Omni-directional antenna configuration	
Components	Omnidirectional antenna adapter, radio module, omni-directional antennas, battery with UPS, cables
Polarization	Vertical
Antenna gain	2.15dBi
Maximum Range	20km RLOS
Weight	1.15kg
Dimensions	190 x 80 x 50mm (H x W x L)
Mounting options	Tripod, lightweight mast system (Rolatube, Cobham TR86), backpack
Supply Voltage	20-33 VDC
Power Consumption	24W peak, 10W nominal
Physical interface	Lemo K series connector (EGG.2K.310)
Signaling interface	Ethernet
Environmental	
Operating Temperature	-20 °C to +50 °C
IP rating	IP65
Standards	
Environmental	MIL-STD-810G
Features	
Radio module can be used in an omnidirectional radio set-up (mobile, close-range) or can be upgraded to directional tracker set-up (long-range)	
API support for integrating with third party software	
Equipment can be powered with standard BB-2590 battery	
Modular design allows using many OEM datalinks	
Can be easily mounted on a tripod	

Note! Other datalink options available. Other frequency ranges supported on request, contact Thread for options and quotations