



MH33 Handheld Mesh Radio

- Compact Size**
- 2 Watt Transmit Power**
- 5 Seconds Quick Setup Time**
- Up to 52 IP Mesh Nodes**
- More Than 10 Hops Networking**
- AES128/256 Security Protection**
- 5KM Ground Open Area Transmission Distance**

SPECIFICATIONS

Wireless

Frequency Range	1428 ~ 1448MHz
Bandwidth	5M/10M/20MHz
Transmission System	COFDM
Modulation Mode	BPSK/QPSK/16QAM/64QAM (Self-Adaption)
Data Rate	90Mbps@20MHz (Peak)
RF Power	2W
Receive Sensitivity	-97dBm@1MHz

Interface

RF Antenna	TNC × 2
GPS Antenna	SMA
WIFI Antenna	SMA
Ethernet Interface	Aviation to RJ45 Connector
Audio Interface	Aviation Connector

System

Video Input	Ethernet (HDMI/AV for Customize)
Audio Input	Remote Microphone or Earpiece
Security	AES128/256 Encryption
Power Supply	DC16.8V 3000mAh Removable Lithium Battery
Power Consumption	≤ 30W

Networking

Networking Capability	≥ 52 Nodes
Networking Hops	> 10 Hops
Access Time	5s after Startup of System
Topology Type	Ad-Hoc Network, Star Network, Chain Network

Physical

Dimension	≤ 200 × 74 × 39mm (with Battery)
Weight	≤ 850g (with Battery)
Protection Level	IP65
Operating Temperature	-30°C ~ +65°C

ACCESSORIES



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