



## **MD33 Drone UAV Mesh Radio**

- Small Size & Light Weight**
- 2 Watt Transmit Power**
- 5 Seconds Quick Setup Time**
- Up to 52 IP Mesh Nodes**
- More Than 10 Hops Networking**
- AES128/256 Security Protection**
- 30KM Air to Ground Transmission Distance**

## SPECIFICATIONS

### Wireless

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

### Interface

<b>RF Antenna</b>	SMA × 2
<b>GPS Antenna</b>	3in1 J30J Connector
<b>WIFI Antenna</b>	3in1 J30J Connector
<b>Ethernet Interface</b>	3in1 J30J Connector
<b>Audio Interface</b>	N/A

### System

<b>Video Input</b>	Ethernet (HDMI/AV for Customize)
<b>Audio Input</b>	N/A
<b>Security</b>	AES128/256 Encryption
<b>Power Supply</b>	DC12 ~ 36V Wide Range Voltage Power Supply
<b>Power Consumption</b>	≤ 30W

### Networking

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

### Physical

<b>Dimension</b>	≤ 105 × 82 × 35mm
<b>Weight</b>	≤ 350g
<b>Protection Level</b>	IP65
<b>Operating Temperature</b>	-30°C ~ +65°C

## ACCESSORIES



RF Antenna

3in1 J30J Cable

Packing Box

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