



MV43 Vehicle Mesh Radio

- 2U Standard Rack Structure**
- 20 Watt Transmit Power**
- 5 Seconds Quick Setup Time**
- Up to 52 IP Mesh Nodes**
- More Than 10 Hops Networking**
- AES128/256 Security Protection**
- 20KM 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	20W
Receive Sensitivity	-97dBm@1MHz

Interface

RF Antenna	N Type Female × 2
GPS Antenna	SMA
WIFI Antenna	SMA
Ethernet Interface	RJ45 Aviation Connector
Serial Port	Aviation 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	AC220V Power Supply
Power Consumption	≤ 200W

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	≤ 492 × 387 × 90mm
Weight	≤ 8000g
Protection Level	IP54
Operating Temperature	-30°C ~ +65°C

ACCESSORIES

					
Tactical Antenna	GPS WiFi Antenna	RSM Microphone	Ethernet Cable	Serial Port Cable	Antenna Pedestal
					
Screws	Power Cable	Interface Description			

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