

High Bandwidth MESH UHF Wireless Transmission System

Model: ST9602MD

ST9602MD is a MIMO dual-band high bandwidth network wireless device, which can realize high-performance dedicated wireless network, has strong non-line-of-sight transmission capability, and supports mobile phones, computers and other terminal devices to access the network through 2.4GHz WiFi. At the same time, it can support GPS and it has specially design for portable applications.

Main Features

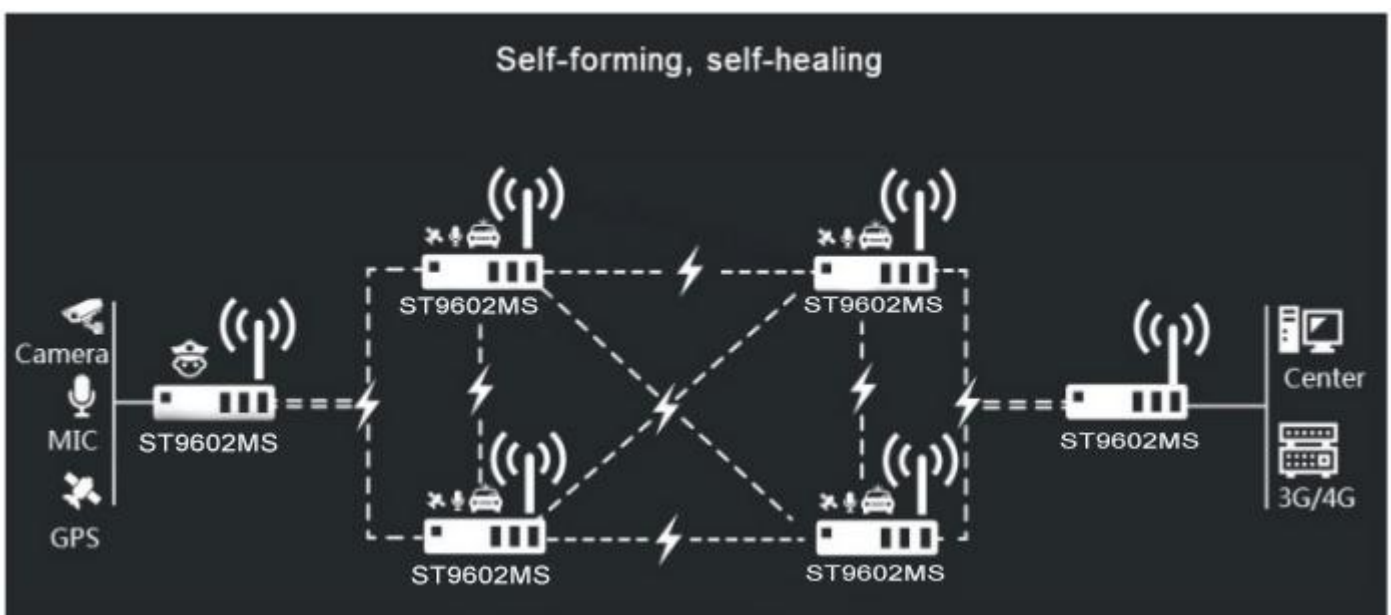
- Frequency 570~590MHz/1400~1420MHz
- Support 2*2 MIMO
- RF Power 1/2/10/20watts for option
- Frequency bandwidth: 5/10/20Mhz
- On board 200mW 2.4GHz WiFi
- Support GPS
- Support moving speed > 200km/h



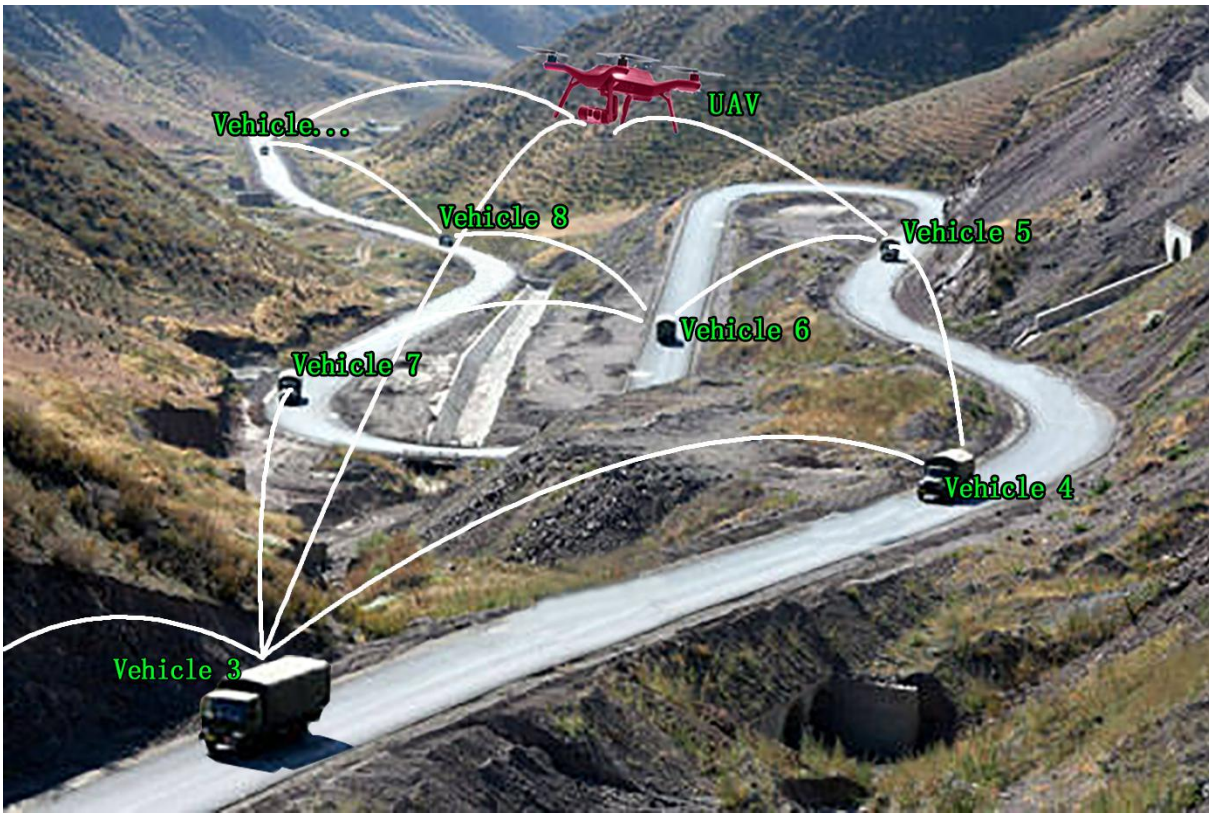
Technical Parameters

Working Frequency	570~590MHz/1400~1420MHz	Bootloader	U-boot
	500~1400MHz(On request)	Linux	3.18.19
	2412-2462MHz(Wifi)	Wired Network	IP address configurable
1559-1577MHz(GPS)	Subnet Mask Configurable		
Bandwidth	5/10/20MHz	Wireless Network	Working Frequency Adjustable
	20MHz(Wifi)		Bandwidth Adjustable
RF Power	2Watts		RF Power Adjustable
	0.2W(Wifi)		Support Adhoc
Rx Sensitivity	-92dBm		Support 42 node max
	-90dBm(Wifi)		ESSID/BSSID Configurable
Duplex Mode	TDD		Supports adaptive rate and fixed rate modes
Modulation	BPSK/QPSK/16-QAM/64-QAM		Support Distance Optimization
Diversity Mode	Transmitting and receiving diversity		

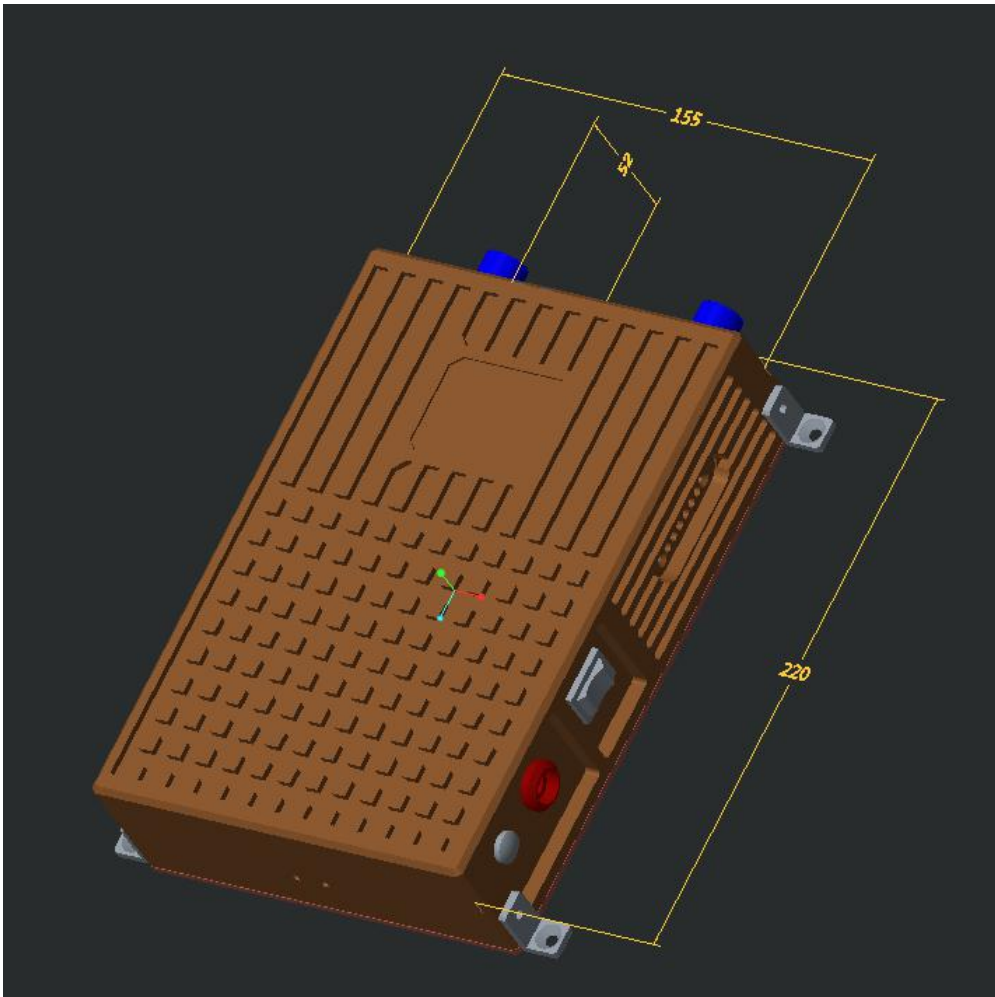
Upstream and downstream bandwidth	Two-way bandwidth up to 80Mbps	Wifi	Support RTS/CTS Setting	
	40Mbps(Wifi)		Connection Status Display	
Antenna	2*N type Antenna Interface		Working Frequency Adjustable	
	1*Wifi SMA Antenna Interface		RF Power Adjustable	
	1*GPS SMA Antenna Interface		Support AP mode	
Ethernet	1*100Mbps Ethernet Interface		ESSID Configurable	
Serial Interface	Bit rate upto 115200bps (9600-115200bps Adjustable)			
Indicator	1*System States Indicator Light		Supports adaptive rate mode	
	1*Ethernet Status Indicator Light		Support WMM/802.11e QoS	
	1*Wifi States Indicator Light		Support Distance Optimization	
	3*Network Signal Strength Indicator Light		Support RTS/CTS Setting	
Key	1*Reset Button		Support MAC address filtering	
Power	DC9-28V		Connection Status Display	
Power Consumption	Working Voltage: DC12V		WPA/WPA2/WEP Encryption	
	Standby Current 500mA Max work Current 3A			
Battery	12V/21Ah		Hidden ESSID	
Battery Endurance	4hours(full charge)		Support Network transparent transmission GPS original positioning data	
Dimension	220mm*155mm*52mm		Support web page management	
Temperature	Storage: -30℃~+90℃		Management	Support SSH security management
	Working: -20℃~+70℃			Import/export configuration information
Waterproof	IP66	Restore factory configuration		
Serial Port	1*Serial Port(On request)	Update firmware online		
Moving Speed	> 200km/h			



Application



Dimension



Package List



Package Box

