

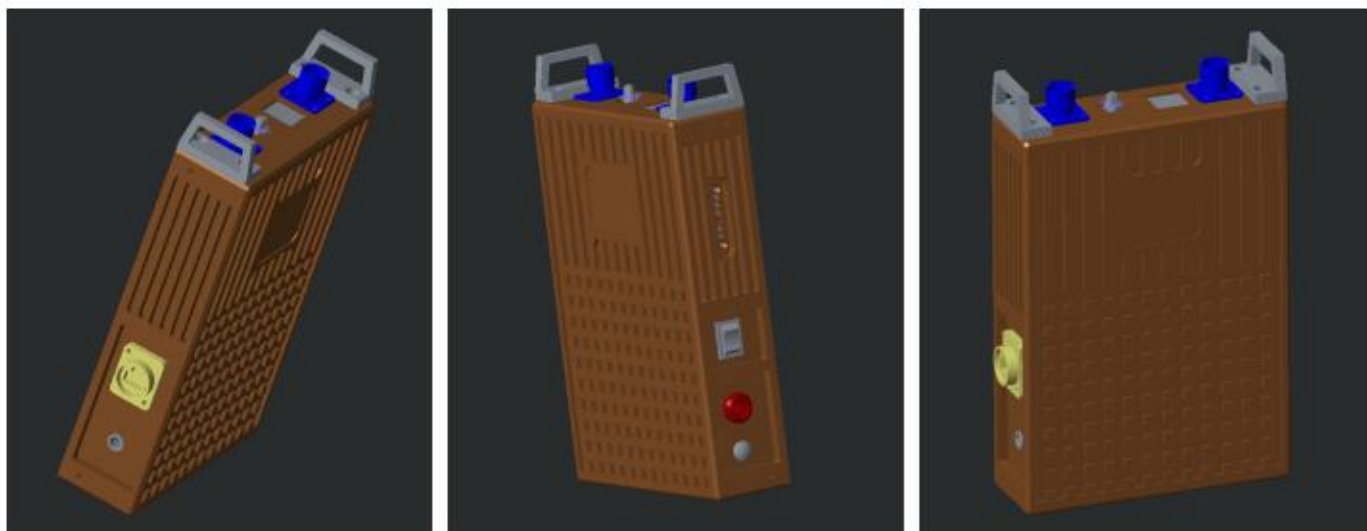
High Bandwidth MESH UHF Wireless Transmission System

Model: ST9602MD

ST9602MSD 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

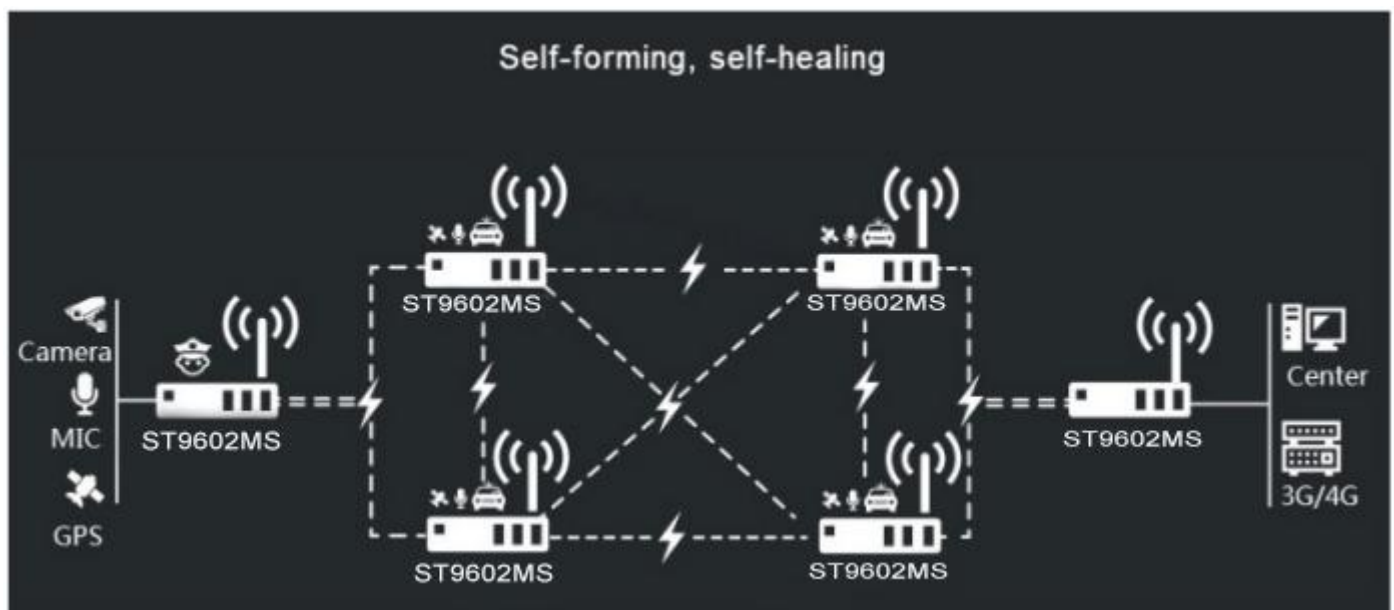
- Frequency 570~590MHz/1400~1420MHz
- Support 2*2 MIMO
- RF Power 1/2/10/20watts for option
- Frequency bandwidth: 5/10/20Mhz
- On board 200mW 2.4GHz WiFi
- Support GPS
- Support moving speed >200km/h



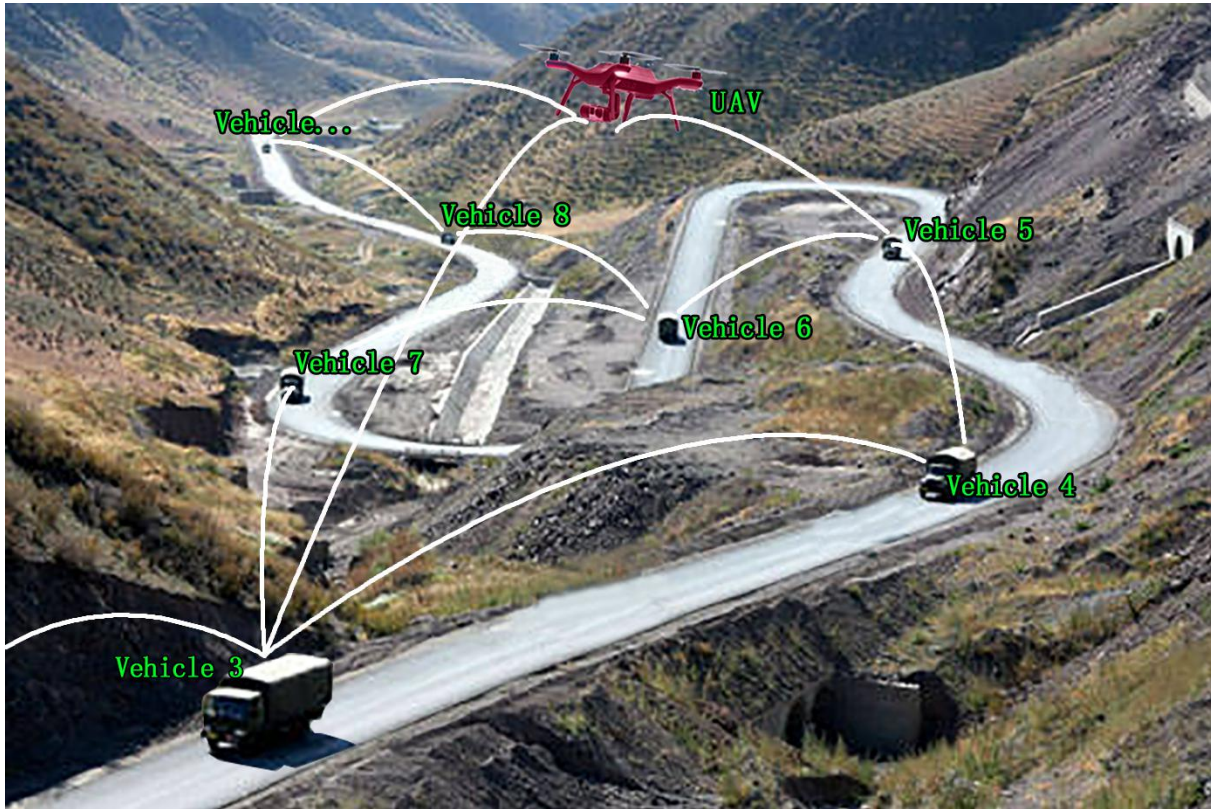
Technical Parameters

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
Bandwidth	1559-1577MHz(GPS)	Wireless Network	Subnet Mask Configurable
	5/10/20MHz		Working Frequency Adjustable
RF Power	20MHz(Wifi)		Bandwidth Adjustable
	2Watts		RF Power Adjustable
Rx Sensitivity	0.2W(Wifi)		Support Adhoc
	-92dBm		Support 42 node max
Duplex Mode	-90dBm(Wifi)		ESSID/BSSID Configurable
Modulation	TDD		Supports adaptive rate and fixed rate modes
	BPSK/QPSK/16-QAM/64-QAM		

Diversity Mode	Transmitting and receiving diversity	Wifi	Support Distance Optimization
Upstream and downstream bandwidth	Two-way bandwidth up to 80Mbps		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℃~+65℃		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

