



ZXIMCU sMesh390 Broadband Mesh Radio

ZXIMCU sMesh390 broadband mesh radio features small size and light weight. It can be used independently, or in mixed networking with sMesh series Ad-Hoc network systems such as sMesh100 and sMesh750 to achieve network expansion. It can fully meet the need of going deep into the emergency site, dense crowds or buildings due to the great improvement of its deep communication capability.

Functions



Highlights

One-press Startup

One-press startup, connect to internet in no time.

Frequency Sweep

Sweep real-time frequency and check environmental interference.

Rich Services

Support services including voice, video, data, positioning, etc. Able to be connected to satellite network, public network, LTE stations, etc.

Easy Management

Support monitoring each terminal and wireless network connection in real time and checking GIS position information.

High Damage Resistance

When a node in the network fails or the connection is interrupted, the system will re-select the best path for transmission to achieve network self-healing.

Easy Operation

With built-in Wi-Fi module, it can be connected with mobile devices, laptops or PADS through Wi-Fi, easy and convenient.

Flexible Networking

With no-center and same-frequency Ad-Hoc network, and flexible and configurable carrier bandwidth, it supports flexible and dynamic networking modes including: chain, star, tree, hybrid, etc.

Specifications

General	
Frequency	486~626MHz; 1420~1530MHz
Protocol	TDD
Transmission	COFDM
Bandwidth	2.5M/5M/10MHz
Transmitting Power	500mW
Receiving Sensitivity	≤ -105dBm
Path	2 paths
Rate	Maximum ≥25Mbps
Networking	Ad-Hoc network
Ad-Hoc Network Maximum Nodes	More than 32 nodes
Hop	Suggest ≤8 hops
Wi-Fi	2.4GHz/5.8GHz
Location	Beidou/GPS
Encryption	DES/AES128/AES256, etc.
Battery	Li-on, 7.6V, 5000mAh
Working Hours	≥ 6h
BlueTooth	Support BlueTooth
Screen Size	1.7 inch

Physical	
Dimensions	158mm×68mm×33mm
Weight	430g (including the battery)
Port	Antenna port: RF antenna Network port: data transmission and network management USB port: connect external devices Earphone port: connect earphones Video access port: standard external camera input, HDMI, real-time vedio pulling
Side Buttons	PTT、 power button、 SOS

Environmental Conditions	
Operating Temperature	-30°C~ +55°C
Dust and Water Resistance	IP67

System Expansion(Optional)	
Adaptive Frequency Hopping	Avoid interference and improve environment adaptativity

Standard Accessories



Belt Clip



String



Antenna



Power Adapter



Charger



5000mAh Li-ion Battery

Optional Accessories



C-style Earpiece



Transparent Tube Earpiece



sMesh Voice&Vedio Coder



Camera



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