

Mesh Portable Command Box/ Command Dispatch Desk

Mesh portable command box/command dispatching station integrates MimoMesh/SmartMesh remote broadband AD hoc network radio, Developed by advanced technologies such as mobile communication, Internet, Internet of Things and artificial intelligence, this application system integrates command and dispatch, multi-network integration, smart wearable device access, broadband and narrow band terminal access integration, platform sharing and sharing, intelligent management, etc. It has the advantages of flexible networking, rich interfaces, efficient and intelligent, mobile and portable, simple operation, etc. It can be widely used in emergency communications, unmanned systems, rescue and disaster relief, public security control, armed police anti-terrorism, fire rescue, electric power repair and other industries. Temporary command centers can be quickly established at the scene of various emergencies, and timely access to the rear command platform, truly realizing local linkage and multi-level command dispatch management of center interaction.



Specification:

- Support broadband ad hoc network, public network 4G/5G, LTE private network, Wi-Fi, wired network, satellite network and other link access, and transmit on-site information to the rear command center.
- Professional-quality user graphical interface; advanced audio and video processing technology to ensure high-quality voice and video quality; user information collection and display through accurate GIS positioning; support for simultaneous multi-channel video preview and distribution; road calls; voice scheduling, video scheduling and GIS scheduling use an integrated interface, which is convenient to operate; supports video browsing, picture capture, video playback, voice intercom, alarm linkage, electronic maps, etc.
- Multi-service, multi-terminal access integration, distributed management, strong applicability, high scalability.
- Ultra-thin three-screen design, foldable, according to the software function to display the map, scheduling, video three-screen images at the same time, so that the field commander can grasp the overall situation from multiple angles.
- Support independent power supply, equipped with detachable large-capacity lithium battery, fast charging, and support mains, generator and vehicle power supply at the same time.
- Portable design, lightweight and portable, ready to use.
- The whole machine adopts a shock-absorbing and anti-vibration design all around, and adopts the original hard disk shock-absorbing technology, which makes the data operation more secure.

Mesh Portable Command Box&Command Dispatch Desk Specifications

Waveform	350-700/1000-1500/1800-2500/4400-5000/5100-6000MHz
MIMO Technology	Spatial multiplexing、Space-time coding;Space Diversity、TX /RX beamforming
Receive Sensitivity	-103dBm@5MHz BW
Channel Bandwidth	2.5/5/10/20MHz ,40MHz optional
Data Rate	1-100Mbps(20MHz BW)/180Mbps(40MHz BW) Adaptive,QoS
Modulation Mode	TD-COFDM,BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM Adaptive
RF Output Power	2Watts×2/4Watts×2/10Watts×2/20Watts×2
Single Hop Communication Distance	100-300 KM (visible), 1-30 KM (urban area)
Mode	Point-to-point/Point-to-multipoint/Multipoint-to-multipoint,Automatic relay, Star/Line/Network/Hybrid
Single Hop Delay	Average 10mS(20MHz BW)
Encryption	DES, AES128/256 ,Chip /TF card encryption customized
Anti-interference Mode	Manual spectrum scanning channel selection, Intelligent frequency channel Selection/Autonomous frequency hopping/Roaming mode optional
LCD	15.6"LCD,Resolution 1920*1080,Brightness 1000 cd/m2,sunlight readable
Audio	Gooseneck microphone,Built-in Microphone,Stereo speaker
Network	MESH and 4G network,Wireless AP function
Audio & Video Interfaces	Video Input:1*HDMI in for command center,1*Video conference camera
	Video output:1* HDMI,1*Built-in HDMI out
	Audio Input:1*3.5mm,1*XLR/6.35mm TRS
	Audio Output:1*3.5mm,1*built-in audio output
Other Iterfaces	2*USB、2*LAN、1*WAN、1*DCIN、1*SIM
WiFi& Bluetooth	Support WiFi Network 802.11 ac,2.4GHz/5GHz,4.2bluetooth
Satellite Position	Support Beidou and other multi-satellite joint positioning
Battery	Built-in large capacity Li-ion Battery,Working hours is not less than 4hours
Power Adapter	120W Power Adaptor:AC Input 100-240V,DC Output 19V
Hardware	High performance i5 processor,16G Memory,1TB SSD
Operation System	Windows10 64 bits test version
Temperature	Working Temperature: -10~45°C
	Storage Temperature: -20~60°C
Humidity	5% - 90%,Non-condensing
Material	PC+ABS
IP Rate	IP65
Dimension	466.9*371.4*174.9mm
Weight	About10kg
Optional	Multipoint capacitive touch screen
Function	Bluetooth keyboard

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