

S-MESH™ 500mW PTT

Product Datasheet M-PTT2-500-LITE



Sovereign Systems



RF Specifications

Waveform	COFDM
Frequency Range	
M-PTT2-L-500-012150	1200-1500MHz
M-PTT2-L-500-200250	2000-2500MHz
M-PTT2-L-500-480500	4800-5000MHz
Carrier Bandwidth	0.25/ 0.5 /1MHz
Max Throughput	0.9Mbps
RF Output	0.5W
Carrier Modulation	QPSK
FEC Rate	FEC 1/3, 2/3
Receive Sensitivity	-100dBm @ 5MHz
RF Interface	2x SMA (1x TX & RX, 1x Rx)



Streaming

Streaming Protocol	UDP, RTSP, RTP
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Networking

Ethernet	10 / 100Mbps
WIFI	2.4 / 5.0GHz



Audio

Audio Codec	Adaptive Multi-Rate (AMR)
Data Bitrate	4.8Kbps



I / O

RS232, RS485, TTL, SPI, GPIO, Ethernet, USB



Security

Data Encryption	DES / AES 128 **/ AES 256**
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Power

Power Input	7.6Vdc (Battery)
Power Consumption (Max)	9.1W



Physical Specifications

Dimensions (L x W x H)	150 x 67 x 40mm
Weight	~450g



Environment

Operating Temperature	-20 to 50°C
IP Rating	IP54

* T.B.C. / Under Development
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