

mMESH™ Body Worn MK3

Product Datasheet M-BWM3-1



**Sovereign
Systems**



RF Specifications

Waveform	COFDM
Frequency Range	
M-BWM3-1-100150	1000 - 1500MHz
Carrier Bandwidth	
Narrow Band	0.25 / 0.5 / 1MHz
Wide Band	1.25 / 2.5 / 5 / 10 / 20MHz
Max Throughput	
Narrow Band	940Kbps
Wide Band	100Mbps
RF Output	1W / 30dBm
Carrier Modulation	QPSK / 16QAM / 64QAM / 256QAM / 1024QAM
FEC Rate	FEC 1/3, 2/3
Receive Sensitivity	-100dBm @ 5MHz
RF Interface	2x TNC (2x Tx & Rx), 2x SMA (WIFI, GPS)



Power

Power Input	12VDC
Power Consumption	
Standby	7W
Max	18W



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, Ethernet, USB



Security

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

Dimensions (L x W x H)	185 x 75 x 38.5mm (unit only)
Weight	~460g (unit only)



Environment

Operating Temperature	-20 to 50°C
IP Rating	IP68

* T.B.C. / Under Development
** License Required

For more information on Licenses and Features, please contact your local salesperson.

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