

mMESH™ 2W Robust

Product Datasheet M-RBT2-2



Sovereign Systems



RF Specifications

Waveform	COFDM
Frequency Range	
M-RBT2-2-032042	320 - 420MHz*
M-RBT2-2-045065	450 - 650MHz*
M-RBT2-2-100150	1000 - 1500MHz
M-RBT2-2-200250	2000 - 2500MHz
M-RBT2-2-480500	4800 - 5000MHz
Carrier Bandwidth	0.3* / 2.5 / 5 / 10 / 20 MHz
Max Throughput	56Mbps / >100Mbps MIMO***
RF Output	2W
Carrier Modulation	QPSK / 16QAM / 64QAM / 256QAM
FEC Rate	FEC 1/3, 2/3
Receive Sensitivity	-100dBm @ 5MHz
RF Interface	2x N-Type (2x Tx & Rx)



Streaming

Streaming Protocol	UDP, RTSP, RTP
--------------------	----------------



Networking

Ethernet	10 / 100Mbps
----------	--------------



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**
-----------------	------------------------------



Power

Power Input	28 - 36Vdc
Power Consumption (Max)	25W



Physical Specifications

Dimensions (L x W x H)	177 x 170 x 72mm
Weight	~1800g



Environment

Operating Temperature	-20 to 50°C
IP Rating	IP67

* Special Order
 ** License Required
 *** August 2021

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

No part of this document may be reproduced in any form or by any means, or used to make any derivatives such as translation, transformation, or adaptation without permission from Sovereign Systems Pte Ltd. Copyright © 2021 Sovereign Systems Pte Ltd. All rights reserved.

Sovereign Systems Pte Ltd
 connect@sovsys.co
 www.sovsys.co