

mMESH™ 2W Commander Node

Product Datasheet M-CMDN-2



Sovereign Systems



Image above is for illustration purpose.



RF Specifications

Waveform	COFDM
Frequency Range	
M-CMDN-2-100150	1000 - 1500MHz
Carrier Bandwidth	2.5 / 5 / 10 / 20 MHz
Max Throughput	56Mbps
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
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Networking

Ethernet	10 / 100Mbps
WIFI	2.4 / 5 GHz



Audio

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



I/O

2x Ethernet Port



Security

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

Power Input	100 - 240 VAC 28 - 36 VDC
Power Consumption (Max)	30W



Physical Specifications

Dimensions (L x W x H)	502 x 415 x 246mm
Weight	~11Kg (Varies between setup)



Environment

Operating Temperature	-20 to 50°C
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* T.B.C. / Under Development
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