

# MIMO Mx Dome

## Introducing the Mx Dome

Our most reliable and fastest dome, with the longest range.

Powered by



### The latest 5G technology for ultimate performance

At the heart of the MIMO Dome is the MIMO Connect powered by Celerway 5G Modem, mounted within an industrial grade aluminium casing, solid state technology, enterprise grade technology and proven over a wide range of industries.

### 8 High Gain Omni-directional Antennas

The MIMO antennas ensure the best range but in a compact size. The antennas are omni directional, and four antennas per modem delivering MIMO speeds to achieve 1Gbps+ speeds and extended range.

### Short coax cables, terminated in ideal conditions

Not only do short, low loss cables ensure the best performance possible, they're terminated and tested extensively in a controlled environment to ensure best performance and long term reliability covered under our 3 year warranty.

### Easy to install

All of the technical installation is done in our facility prior to testing, meaning the MIMO Mx Dome only requires a Cat6 or Cat7 and Power Cable. Crew or MIMO Connect technicians can install and deliver super fast speeds in a matter of hours.

- Achieve a longer range on your 5G/4G connection combined with LEO satellite connectivity
- Flexible installation options
- Global data packages available incl UK & US IP Addresses
- Phantom VPN aggregation via UK or US MIMO Connect Data Centre
- MIMO Omni-directional antennas & PUCK5 (5in1) Marine antenna for LTE-A and GPS connectivity.

## General Specifications

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### MODEMS & ROUTER

Router type	Stratus Dual 5G
Modem type	2 xRM502Q-AE (5G)
Max Bonding Speed	1Gbps+

### ANTENNAS & CABLE

Antenna type	8 x Poynting 297
Frequency range	617 - 3800 MHz
Antenna type	1 x 5 in 1 Puck
Frequency range	617 - 4200 MHz
Coax Type	RG58
Coax loss	Max 1dB at 3800MHz

### CONNECTIONS & PHYSICAL ATTRIBUTES

Voltage Required	9 - 36V DC or 230VAC
Current Draw	300mA at 24V normal use
Data Connection	CAT6 Cable to length < 100m
Weight	35 kg
Dome Type	87cm UV Stabilised

### RECOMMENDED INSTALLATION

Max ethernet length	100m
Suitable accessories	MIMO Global IMSI SIM Phantom Bandwidth Aggregation US or UK IP Breakout
Location	As high as possible, with minimum metallic sector blocking

## Electrical Specifications

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### POYNTING 297

Frequency Bands	698-960 MHz 1710-2700 MHz 3400-3800 MHz
Gain (max): Port 1 & 2	-1.5 dBi 698-960 MHz 2dBi 1710-2700 MHz 2dBi 3400-3800 MHz
VSWR:	<2.5:1

### PUCK 5 ANTENNAS

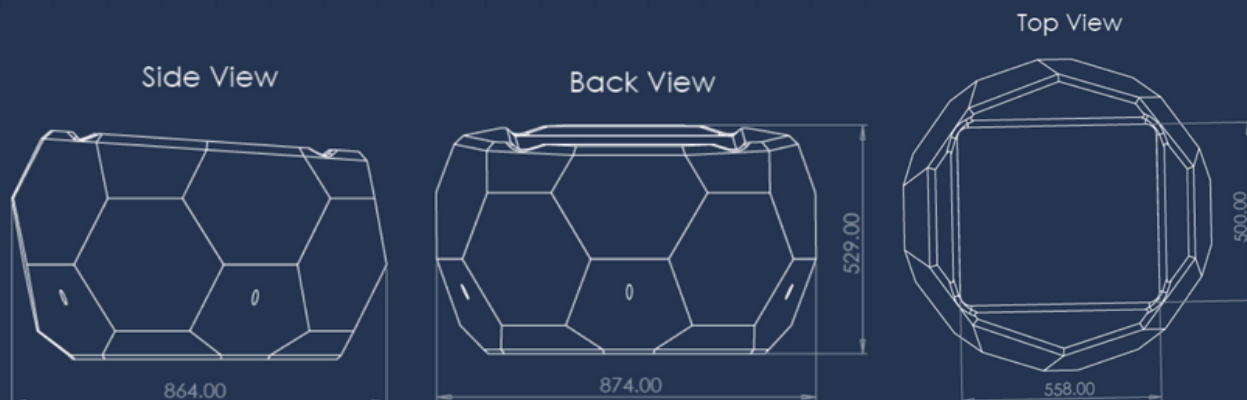
Frequency Bands	698-960 MHz 1710-2700 MHz 3200-3800 MHz
Gain (max) Port 1 & 2:	-1dBi @ 698-960 MHz 6dBi @ 1710-2700 MHz 6dBi @ 3200-3800 MHz
VSWR Port 1 & 2:	<2.5:1 over 85% of the band

# Modem Specifications

Maximum load balancing capacity	1Gbps+
Phantom VPN encryption	600 Mbps
IPSec VPN encryption	280 Mbps
Maximum number of simultaneous WANs	8
Dimensions w x h x d	210mm x 43mm 145mm
Weight	1.08kg
Operating temperature	-10°C to 60°C
Humidity	5% to 85%
Power	3-pin terminal block (+,-ignition)+9-36VDC ATX mode support ignition delay on/off control
Rating	E Mark
Integrated cellular	2 x cellular 5G / 4G / 3G
Ethernet (WAN and/or LAN)	5 x Industrial Spec
PoE	1 x POE WAN/LAN RJ45
WiFi, (WAN and/or LAN)	5GHz/ 2.4GHz dual band
USB	1 x USB 3.0
Mini-PCle	1 x WiFi 5 (802.11 b/g/n/ac)
M.2	2 x cellular ((RM502Q-AE)
SIM card slot	4 x Classic
Cellular antenna	8 x SMA female
WiFi antenna	4 x RP SMA female
GPS	1 x SMA female

Frequency bands for the 2 x 5G RM502Q-AE Modules:

5G NR NSA n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48\*/n66/n71/n77/n78/n79  
 5G NR SA n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48\*/n66/n71/n77/n78/n79  
 4G LTE FDD B1/B2/B3/B4/B5/B7/B8/B12(B17)/B13/B14/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71  
 4G LTE TDD B34/B38/B39/B40/B41/B42/B43/B48  
 3G UMTS WCDMA B1/B2/B3/B4/B5/B6/B8/B19



For more information please contact [sales@mimo-connect.com](mailto:sales@mimo-connect.com)

[www.mimo-connect.com](http://www.mimo-connect.com)