

Planar MIMO Combiantenna with 4x4 MIMO 4G/5G, 2x2 MIMO WLAN, GPS

The Smart Puck has been designed to provide 4x4 4G/5G MIMO performance from 617-960/1710-6000MHz in a robust low profile package. It also includes GPS / GNSS and 2x2 MIMO WiFi 2.4/5.0GHz

The antenna is designed to be panel mounted and can be fitted on a conductive or non-conductive panel. Supplied with integrated flame retardant RG174 cables and a halogen free flame retardant radome the antenna is suitable for many environments and applications.

An integrated GPS/GNSS module supporting GPS, Glonass, Galileo, QZSS and Compass with 26dB LNA gain. This GPS module features advanced filtering for LTE B13/14 designed to minimise potential in band interference.

The antenna is available with a black or white radome which meets IK10 for vandal resistance and IP69K for Ingress protection.

For any further informations like Pattern data and other diagrams feel free to contact us.

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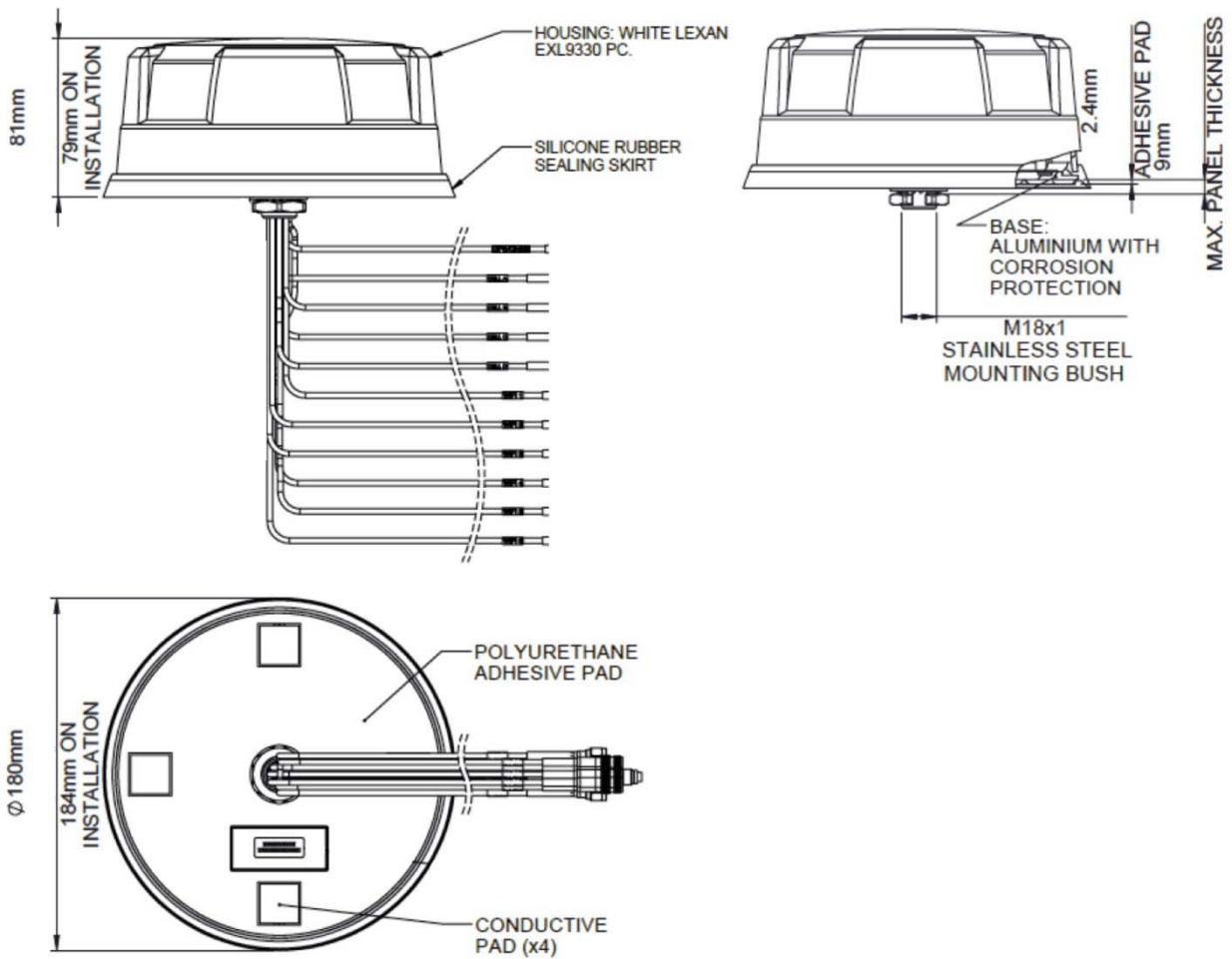
Technical Data :

4x4 MIMO 4G/5G (4 Connections)	
Frequency Range	617 – 960 MHz 1710 – 6000 MHz
Peak Gain	617 – 960 MHz +4 dBi 1710 – 3800 MHz +8 dBi 4900 – 6000 MHz +9 dBi
Correlation Co-efficient	< 0.2
Efficiency	617 – 960 MHz > 50% 1710 – 3800 MHz > 75% 4900 – 6000 MHz > 85%
Isolation	> 10dB
Impedance	50 Ω
Connectors	Fakra male (violet)

2x2 MIMO WiFi (2 Connections)	
Frequency Range	2.4 GHz 4.9 - 6 GHz
Peak Gain	2.4 GHz +9 dBi 4.9 - 6 GHz +9 dBi
Correlation Co-efficient	< 0.1
Efficiency	> 70%
Isolation	> 12dB
Impedance	50 Ω
Connectors	Fakra male (green)

GPS (1 Connections)	
Frequency Range	1562 – 1612 MHz
VSWR	< 2.0 : 1
LNA Gain	26dB
Noise Figure	- 2.7dB
Operating Voltage	3 – 5 VDC
Current	15mA
Connectors	Fakra male (blue)

Basic Informations	
Size	Ø 180mm x 80mm
Temperature	-40 to 80 °C
Cable typ	Low Loss RG174
Cable length	0.3 m (Standard)
Protection	IP69K
Color	Black / White



Ordering Information :

Ordering Informations	
CTX3656A-0030	Kombi-Antenne "Smart Puck" 4x4 MI-MO 4G/5G, 2x2 MIMO WLAN, GPS, schwarz, Fakra male
CTX3657A-0030	Kombi-Antenne "Smart Puck" 4x4 MI-MO 4G/5G, 2x2 MIMO WLAN, GPS, weiss, Fakra male