



HIGH PRECISION MULTI-CONSTELLATION MAGNETIC ANTENNA SOLUTION

The Wavelength

October 2018

MP-RTK Antenna launch

EAD is pleased to announce the arrival of the MP-RTK, a high precision multi-constellation magnetic mount antenna

New Innovation

Based on our MP (magnetic puck) platform the MP-RTK is an innovative multiband antenna for high accuracy positioning applications.

Housed in a distinctive and protective injection-moulded radome with a high pull strength magnetic base, the MP-RTK supports GPS L1, L2, L5, GLONASS, GALILEO and BeiDou systems.

Applications

There are a number of applications that the MP-RTK where positioning accuracy is important such as precision agriculture and autonomous vehicles. The MP-RTK also can be housed in the CPx enclosure should a permanent mount RTK antenna be required.

Configuration

As standard, the MP-RTK will be supplied with 3M RG174 and cable and SMA-Male connector. Other cable length and connector configurations will be possible – alternative connectors will include TNC-Male, MCX, and N-Male.

Please contact us if you require something over and above this.

Availability and Pricing

We expect to start shipping the MP-RTK antenna at the end of October 2018. For availability and pricing in your market, please contact your local EAD distributor or sales partner.



RTK Permanent Mount Option

The permanent mount option for the RTK antenna is based on our proven CPx platform.



Next RTK Development

The next EAD RTK development will be a high gain >40dB pole mount outdoor antenna covering GPS L1, L2, L5, GLONASS, GALILEO and BEIDOU. For more information, please contact EAD.

LPO Multiband Platform Antenna

The new EAD LPO antenna platform is a flexible and modular low profile dome antenna for multi-band communications for vehicle and transit applications. Based on a robust UV-resistant radome and a threaded boss base for permanent mounting, the LPO can be configured with a number of antenna elements depending on the application.

The standard LPO model offers 2 x 690-2690 MHz LTE elements, 2 x dual band WiFi elements and 1 x GNSS element.

With solid RF characteristics and a robust build quality, the LPO is an effective

solutions for trucking, transit, service vehicles and many applications where concurrent MIMO antennas are necessary.

The LPO is already proving to be a popular choice for our customers, especially where mixing and matching of antenna elements is required.

The antenna is fed underneath by RG316 cables which can be terminated by connectors of choice including SMA, TNC, FME, MMCX, CRC9 and TS9. With a gasket underneath, when correctly mounted, the antenna can form an IP67 rated seal against the mounting surface.



LPO antenna radome with mounting gasket.

LPO CONFIGURATION OPTIONS

Standard	2 x LTE, 2 x WiFi, 1 x GNSS
LPO-4L	4 x LTE 700-2700 MHz
LPO-M450	2 x 450-470 MHz

For more information on the LPO antenna or its potential variants, please do not hesitate to contact us.



DMO8684 868 MHz Dual-Mount Outdoor Omni Antenna

The DMO8684 antenna is an outdoor 4.3 dBi gain omni directional antenna ideally suited to LoRa and ISM frequency band applications.

Supplied with a reversible dual-mounting bracket that can enable pole-mount or wall-mount, the DMO8684 antenna when coupled with a suitable jumper cable can help to extend the range of 868 MHz networks. Terminated with a N-Female connector, this antenna is typically complemented by BWL195 and RF240 low loss coaxial cables.

The DMO8684 antenna has a fiberglass sheath and materials that facilitate long-term outdoor deployment.

There are currently two models in this range, the DMO8684 and the WMO8685 which is a 5 dBi 868 MHz wall-mount omni antenna with integrated 5M cable.

These two 868 MHz outdoor antennas are available now. For further information and pricing, please contact us or your local EAD sales partner.

RECENT EAD PRODUCT RELEASES

MIMO-Blade Antenna

The MIMO-Blade antennas is an IP67 waterproof LTE MIMO blade antenna and can be mounted inside or outside for vehicle, transit or cabinet applications. The MIMO-Blade can be mounted via tape, adhesive, Velcro, tie-wraps or suction cups. Suction cups are supplied.

**V-Flex**

The V-Flex is a dual band 2.4/5 GHz flexible PCB antenna designed for mounting inside enclosures, terminals and devices. Ideal for mounting inside contoured enclosures, the V-Flex is fed by a coaxial cable and a choice of connectors.

**MP-2L**

The MP-2L antenna is a dual port (MIMO) LTE and cellular low profile magnetic puck antenna. Mounted by way of a high pull strength magnetic base, the MP-2L is ideal for non-permanent installations. Covering a frequency range from 690-2700 MHz, the MP-2L is fed by two RF cables that exit from the side of the antenna.



The MP-2L antenna is ideal for 4G/LTE mobile applications such as vans, trucks etc. as well as

fixed installations such as CCTV, security and monitoring systems.

HWD868 Antenna

The HWD868 antenna is a 1/2 wave dipole antenna with a centre frequency at 868 MHz.

Terminated in a SMA-Male connector, the HWD868 is a straight antenna housed in a durable rubber sheath. This antenna does not require a ground-plane to operate effectively. Ideal for LoRA and ISM applications.

NEW PRODUCT RELEASES

WTS7270

The WTS7270 antenna is an IP66 LTE blade antenna terminated in a SMA-Male connector.



Designed for mounting directly onto LTE terminals, modems and routers, the WTS7270 is ideal for long-term outdoor deployments where a waterproof vertical SMA antenna is required.

RF240 Cable

EAD is pleased to be able to supply a new low loss cable, namely RF240. RF240 is cost-effective and has excellent RF characteristics

all in a 6.1mm diameter PVC sheath.

Our customers are experiencing excellent results with this cable because the typical RF240 attenuation figures are as follows:

100 MHz - 7.8 dB/100M
400 MHz - 16.2 dB/100M
600 MHz - 20.0 dB/100M
1000 MHz - 26.0 dB/100M
1750 MHz - 36.0 dB/100M
2400 MHz - 43.1 dB/100M



As standard, we are offering RF240 with N Type, SMA and TNC connectors. For alternative connectors please contact us.

In addition to the news items above, we have a number of new and exciting products under development for Q4 2018 including additional RTK antennas as well as further MIMO antennas. We will keep you informed on developments.

For more information on the products above or if you have other specific antenna or RF cable requirements, please feel free to contact us.

FOR MORE INFORMATION

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