

GPS L1 + 700 TO 960 / 1700 TO 2700 MHz

# GPM-21

## Combination GPS + 4G Screw Mount Antenna

| LTE                            | GPS                           | LTE GAIN       | HOUSING                |
|--------------------------------|-------------------------------|----------------|------------------------|
| <b>700-960 / 1700-2700 MHz</b> | <b>1575.42 MHz, 28 dB LNA</b> | <b>1-4 dBi</b> | <b>80 x 80 x 45 mm</b> |

An active GPS and 4G antenna in one vandal resistant screw mount puck, for telematics, fleet tracking, alarm communicators and IoT gateways. The GPS section has a 28 dB LNA with a dielectric resonator filter for reliable satellite lock, and the LTE section covers all Australian 4G bands. Both outputs arrive on 3 m of RG174 with SMA male plugs.

### QUALITY

Supplied by D&G Antennas. Every unit is tested before supply by our manufacturing partner, using appropriate test equipment and methods.



### ELECTRICAL

|               |                                    |
|---------------|------------------------------------|
| LTE frequency | 700-960 MHz   1700-2700 MHz        |
| LTE gain      | 1-4 dBi                            |
| LTE VSWR      | < 2.5                              |
| GPS frequency | 1575.42 +/- 1.023 MHz (L1)         |
| GPS LNA gain  | 28 dB typical, 1.5 dB noise figure |
| GPS supply    | 2.3-5.5 V DC                       |
| Impedance     | 50 Ohm                             |

### MECHANICAL

|                       |                                          |
|-----------------------|------------------------------------------|
| Housing               | 80 x 80 x 45 mm, black UV stabilised ABS |
| Mounting              | Screw through stud                       |
| Cable                 | 3 m RG174 x 2, custom lengths on request |
| Connectors            | SMA male x 2 (LTE, GPS)                  |
| Operating temperature | -30 to +85 C                             |

## TYPICAL APPLICATIONS

|                              |                         |                              |
|------------------------------|-------------------------|------------------------------|
| Fleet and vehicle telematics | GPS tracking            | Security alarm communicators |
| IoT and M2M gateways         | Remote asset monitoring | Smart utility metering       |

## CONFIGURATION AND ORDERING

|              |                                                                        |
|--------------|------------------------------------------------------------------------|
| Cable length | Standard lengths as listed. Custom lengths on request                  |
| Connectors   | Alternative terminations on request, fitted and tested before dispatch |
| Volume       | Trade discounts from 50 units. OEM production runs from 200 units      |
| Samples      | Evaluation units available for qualified projects                      |

### TALK TO US ABOUT GPM-21

Tell us about the site and the device and we will recommend the right configuration.  
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Xtend Communications is the direct channel for D&G Antennas Pty Ltd, 3/1 Harford Street, Jamisontown NSW 2750. Specifications are typical and subject to change without notice.