

| MODEL                                                                                                                                                | SPECIFICATIONS                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 309                                                                                                                                                  |                                                                                                                                                                                                                             |
| ANTENNA TYPE                                                                                                                                         | Heavy duty omni-directional MIMO 2x WLAN patch antenna with integrated active GPS/GLONASS/GALILEO antenna for roof mounting on trucks, trailers etc.<br>* LOW PROFILE DESIGN<br>* CAR-WASH PROOF<br>* NO GROUNDPLANE NEEDED |
| WLAN Antenna:<br>FREQUENCY<br>IMPEDANCE<br>POLARISATION<br>GAIN (dBi)<br>VSWR                                                                        | 2 x WLAN MHz: 2400-2485 / 5250-5850<br>Nom. 50 $\Omega$<br>Vertical<br>1.5 $\pm$ 0.5<br>< 2.2                                                                                                                               |
| GPS/GLONASS/GALILEO Ant.:<br>ANTENNA TYPE<br>FREQUENCY<br>BANDWIDTH<br>IMPEDANCE<br>POLARISATION<br>GAIN (LNA)<br>NOISE FIG.<br>POWER SUPPLY<br>VSWR | Active Planar Patch Antenna<br>1580 MHz<br>$\pm$ 28 MHz<br>50 $\Omega$<br>RHC (Right Hand Circular)<br>25 dB<br>1.7 $\div$ 2.1 dB<br>2.7 $\div$ 5.1 V<br>< 2.0                                                              |
| MAX. POWER                                                                                                                                           | 20 Watt                                                                                                                                                                                                                     |
| COLOUR                                                                                                                                               | Black                                                                                                                                                                                                                       |
| DIMENSIONS/ BUILD-IN DEPTH                                                                                                                           | $\varnothing$ 100 x 25 mm / Approx. 16 mm                                                                                                                                                                                   |
| WEIGHT                                                                                                                                               | Approx. 150 g                                                                                                                                                                                                               |
| MOUNTING                                                                                                                                             | Preferable on horizontal surface<br>(Mounting hole $\varnothing$ 16 mm)                                                                                                                                                     |
| MATERIAL                                                                                                                                             | Base: PA6 30% Radome: PA6 30%<br>IP67 Classified (when mounted on vehicle); UV-resistance                                                                                                                                   |
| TEMPERATURE                                                                                                                                          | -40°C - +80°C                                                                                                                                                                                                               |

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|                   |                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------|
| MOUNT TYPE        | Bolt-on type with double self-adhesive tape for effective sealing                                          |
| CABLE / CONNECTOR | 2 x WLAN: ca. 0,30 m RG316 cable and Fakra (m) (BEIGE)<br>GPS: ca. 0,30 m RG316 cable and Fakra (m) (BLUE) |

