Item no.: 382628

42121 - A-HELI-0017-V3-01-L 1x WiFi circular polarised antenna, IP65 outdoor

from **355,65 EUR**

Item no.: 382628
shipping weight: 0.90 kg
Manufacturer: Poynting

📄 Product Description

The HELI-17 is part of a series of mini HELI antennas. These antennas are small in size compared to their bigger brothers, the HELI-3, HELI-4 & HELI-8, but offer medium to high gain, making these antennas ideal for mine tunnels where IoT/M2M connectivity is deployed and can also be used for in-tunnel coverage. The HELI-17 is a range of 2.4 GHz Wi-Fi antennas that radiate in both directions (i.e. bi-directional), making them ideal for 2.4 GHz coverage in mining and other tunnels. These antennas are typically used for the deployment of IoT in tunnels to enable telemetry and mine automation. These antennas are available with both left-hand circular (LHC) and right-hand circular (RHC) polarised antenna elements to ensure optimal decorrelation within a MIMO deployment when using the BRKT-45, resulting in optimal performance. The decorrelation is due to the polarisation difference and spatial diversity between the two antenna elements, improving MIMO performance and RF reliability in a mine tunnel. The Wi-Fi link propagates around tunnel curves in a non-line-of-sight scenario and provides immunity to many objects that interfere with the Wi-Fi signal, such as trains and drilling machines that appear to obscure the tunnel. SCOPE OF DELIVERY Antenna (left) HIGHLIGHTS- Improved signal propagation and connection stability within a tunnel- Unidirectional - radiates in one direction in the tunnel- Careful mechanical design ensures robustness, water and dust resistance- Ideal for M2M and Wi-Fi deployments in mining and tunnels TECHNICAL DETAILS- 1x WiFi- IP65 Outdoor- 9dBi max. 2.4-2.5GHz- RG-141- 400mm N(m)- Ceiling mount- MIL-STD 810G/ASTM B117, IK08, UL 94-HB APPLICATION AREAS- Complement fibre/cable networks by providing wireless "hotspots" in areas to improve mobility or extend networks to inaccessible areas such as mines and tunnels- Underground telemetry- Creating complete tunnel-based/mine-wide data networks and/or internet connectivity- Seamless connection to personnel via VOIP phones, smart devices and tablets- M2M applications

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability