Rugged UWB Positioning Anchor ID-UWB-R40 (Aluminium, IP67, PoE / 4G)

Model ID-UWB-R40 · Brand: Identium



An aluminium-bodied UWB anchor for harsh sites: IP67, –40 °C to +85 °C, PoE or 12–24 V DC, Ethernet plus a 4G link, and an external omnidirectional or directional antenna. Under 30 cm accuracy and over 100 m range; GNSS/RTK and an Ex ib IIC T4 Gb build are options.

KEY FEATURES

- **Aluminium alloy housing, IP67, –40 °C to +85 °C**
- **UWB positioning under 30 cm (unobstructed), over 100 m range**
- PoE or DC 12–24 V, under 5 W; RJ45 plus 4G (Wi-Fi or 5G optional)
- External omnidirectional or directional antenna for aisles and tunnels
- Options: GNSS/RTK positioning, Ex ib IIC T4 Gb build (Chinese certificate)
- Wall or pole-hoop mounting

APPLICATIONS

Steel, cement and paper plants · Tunnels and pipeline corridors · Outdoor yards and ports · Chemical plants · Mines · Substations

SPECIFICATIONS

Technology	UWB, 6.25–6.75 GHz
Positioning accuracy	Under 30 cm (unobstructed)
Communication range	Over 100 m
Network	RJ45 Ethernet; 4G (all networks), Wi-Fi or 5G optional
Power	Standard PoE or DC 12–24 V; under 5 W
Antenna	External, omnidirectional or directional
Options	GNSS / RTK positioning; Ex ib IIC T4 Gb build (Chinese certificate, PESO approval not included)
Indicators	4 LEDs (GNSS, UWB, DC, 4G)
Mounting	Wall or pole hoop
Dimensions / weight	151 × 141 × 49 mm, under 1.2 kg
Housing	Aluminium alloy, IP67
Operating conditions	–40 °C to +85 °C, 0–90 % RH non-condensing