UWB Forklift & Vehicle Tracking Terminal ID-UWB-V10 (UWB + GNSS + 4G)

Model ID-UWB-V10 · Brand: Identium



A vehicle-mounted terminal that tracks forklifts and yard vehicles indoors and out: UWB ranging to fixed anchors inside the building (under 30 cm unobstructed), satellite positioning in the open, and a 4G link that sends every position to the platform. It runs from the truck's 12–24 V supply and fixes with a strong magnet.

KEY FEATURES

- **UWB positioning indoors with Identium anchors: under 30 cm in unobstructed space**
- **Multi-constellation GNSS outdoors: 1–2 m single-point; RTK variant to ±3 cm on request**
- 4G uplink to the platform, so the anchors need no network cabling
- Powered from the vehicle at DC 12–24 V, or Type-C; optional 3000 mAh backup battery
- Strong magnetic base, bolt or bracket mounting; no drilling needed
- IP67 housing, –40 °C to +85 °C, motion and standstill detection

APPLICATIONS

Forklifts and reach trucks · Clamp trucks in paper and tyre plants · Tow tractors and AGVs · Yard and port vehicles · Mining and construction machinery · Plant buses and service vehicles

SPECIFICATIONS

Positioning	UWB to Identium anchors indoors; GNSS (all major constellations) outdoors
UWB accuracy	Under 30 cm (unobstructed)
UWB band	6.24–6.74 GHz
GNSS accuracy	Single point 1–2 m; RTK variant ±3 cm + 1 ppm horizontal, ±5 cm + 1 ppm vertical (needs a correction source)
Speed accuracy	Under 0.1 m/s
Position update rate	0.01–10 Hz
Uplink	4G (all Indian networks); 5G optional

Local link	Bluetooth, for set-up, diagnostics and data exchange
Power	DC 12–24 V from the vehicle; Type-C DC 5 V / 1 A; optional 3000 mAh built-in battery
Sensors	Motion and standstill detection
Indicators	4 LEDs
Mounting	Built-in strong magnet; bolts or bracket for rough roads and high speed
Dimensions / weight	Ø135 × 75 mm, about 460 g
Housing	PC and aluminium, IP67
Operating conditions	−40 °C to +85 °C, 0–90 % RH non-condensing
Integration	Works with the Identium UWB positioning platform; integration support for fleet and equipment systems