AG4 Outdoor AoA Gateway

PoE/DC Interface, Ethernet (Enhanced Coverage)

Experience ultra-precise positioning in demanding outdoor environments with the Lansitec AG4 Positioning Gateway. By harnessing Bluetooth AoA (Angle of Arrival) technology and a high-precision antenna array, it can achieve real-time location accuracy within 0.1 m. Designed for outdoor or semi-outdoor installations, the IP66-rated housing resists harsh weather, while 802.3af PoE (or 12–30 V DC) simplifies power delivery. Whether you're safeguarding equipment in expansive yard operations or tracking personnel at open-air events, the AG4 Positioning Gateway delivers robust, real-time insights that streamline your operational efficiency.



High-Precision AoA
Measures angles via advanced antenna arrays, delivering sub-meter accuracy (0.1 m).

Outdoor-Ready
IP66 enclosure and operating temperature from -20 °C to +60 °C for reliable performance in most climates.

Easy Installation
Mount on ceilings or angled walls (≤ 45°) up to 30 m in height; an indicator light provides real-time status feedback.

PoE or DC Power
Standard 802.3af PoE or 12–30 V DC eliminates the need for separate power lines, reducing setup complexity.

Flexible Coverage
Covers a radius up to twice its installation height (max 30 m), enabling wide-area tracking in warehouses, factories, and more.

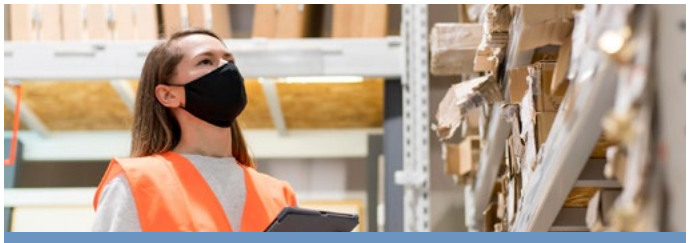
Online Configuration & Updates
Support for remote gateway firmware updates, easing ongoing maintenance and ensuring up-to-date performance.

SCENARIO



VEHICLE TRACKING

Deploy in parking lots or bus depots to monitor vehicle positions in real time, reducing missed routes and improving safety.



LOGISTICS WAREHOUSE

Achieve pin-point oversight of forklift operations or high-value inventory within open storage yards. AoA-based location data optimizes picking routes and prevents lost goods.



LARGE EVENT SPACES

Place AoA gateways around festival grounds or outdoor expos to guide attendees, track staff, and manage crowd flow. Organizers gain detailed spatial analytics without intrusive infrastructure.



OPEN-AIR INDUSTRIAL SITES

Ideal for heavy manufacturing plants or energy facilities where precise asset tracking prevents losses and ensures safe operations. The combination of rugged design and high accuracy meets stringent industrial demands.

SPECIFICATIONS

MECHANICS

Color	White
Material	ABS+PC
Size	331*331*45mm
Weight	≤3.6kg
Installation Method	Ceiling mouting / Side mounting, angle ≤ 45°
Installation Height	Max 30m
Switch	PoE/DC Powered, self-starting
Indicator Light	1 red and green status indicator + 1 ethernet port indicator

BLUETOOTH CHIP

Protocol Standard	Bluetooth 5.0/4.2
Band	2.401 ~ 2.481 GHz

ENVIRONMENT & ELECTRIC

Power Supply	PoE 48V IEEE 802.3af / DC 12V~30V 1A
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-40°C ~ +85°C
IP Rating	IP66
Rated Power	＜2W

RF SPECIFICATION

Coverage Range	Maximum coverage radius is double of the installation height, but not over 30m
Speed	10 / 100Mbps
Antenna	Array Antenna

OTHERS

Online Gateway Configuration and Update	Support
FE	IEEE 802.3
Power Consumption	1 Reset Button

ORDERING INFORMATION

Product Description	Part Number
AoA Gateway, ethernet, POE/DC, 331x331x45mm, IP66	100-01AG4