

AMTL-RAD-10

Millimeter Wave Radar for Smart Parking Barriers

Advanced Radar Detection:

Detects vehicles and pedestrians within 3.28ft to 19.69ft (1m to 6m).

All-Weather Protection:

IP67-rated for dustproof and waterproof reliability.

Flexible Installation:

Supports various scenarios, including straight booms.

High-Speed Compatibility:

Works with vehicles up to 15km/h.

Seamless Communication:

RS485 with USB connector for upgrades and debugging



Features

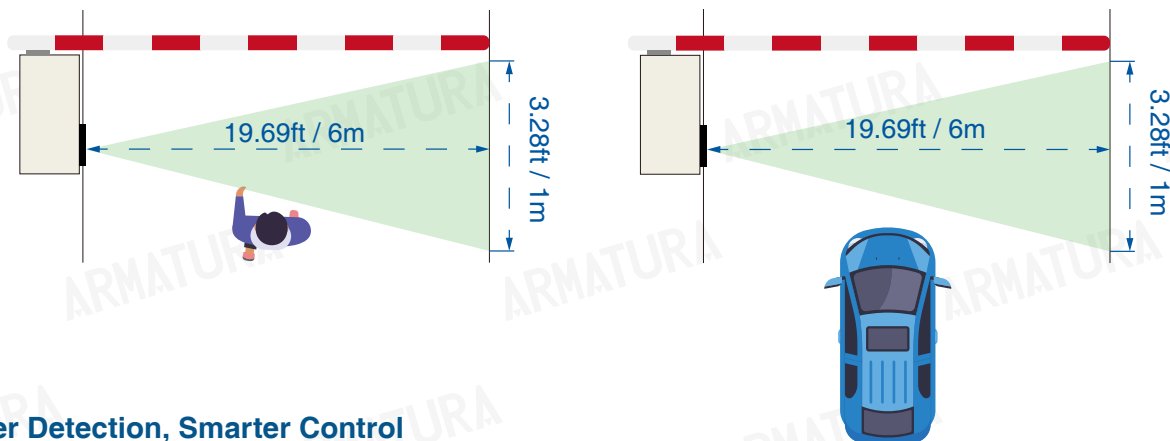
Unrivalled Radar Detection and Obstacle Prevention

Second-Generation Radar Technology: Designed for accurate detection and identification of vehicles (motorcycles, cars, trucks, etc.) and pedestrians near parking barrier gates.

Enhanced Obstacle Detection: Advanced radar technology ensures safety by preventing accidents or property damage.

Flexible Installation: Supports various installation scenarios for seamless integration with barrier gate systems.

Cost-Effective: Offers lower labor costs compared to traditional loop detectors.



Better Detection, Smarter Control

Advanced Radar Technology: Ensures high detection accuracy with minimal false alarms.

Adjustable Detection Distance: Configurable range to suit various parking layouts and scenarios.

All-Weather Reliability: Performs optimally in rain, dust, and extreme temperatures (-40°F to 185°F / -40°C to 85°C).



Modern Aesthetic Design and Durability

Rugged Build: Weatherproof (IP67 certified) and vandal-resistant.

Compact and Elegant: Sleek design with a durable enclosure for reliable outdoor operation.



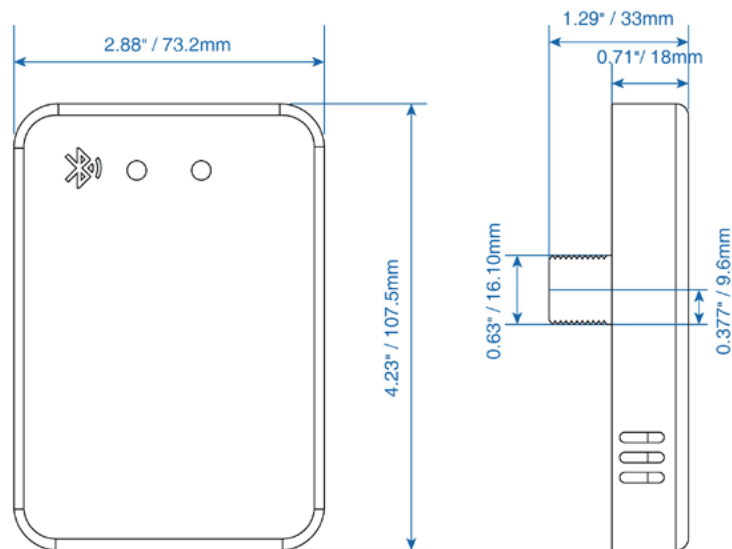
Installation Made Easy

Flexible Installation Options: Supports straight boom barriers and custom layouts.

Plug-and-Play Design: Simplifies setup and reduces installation time.



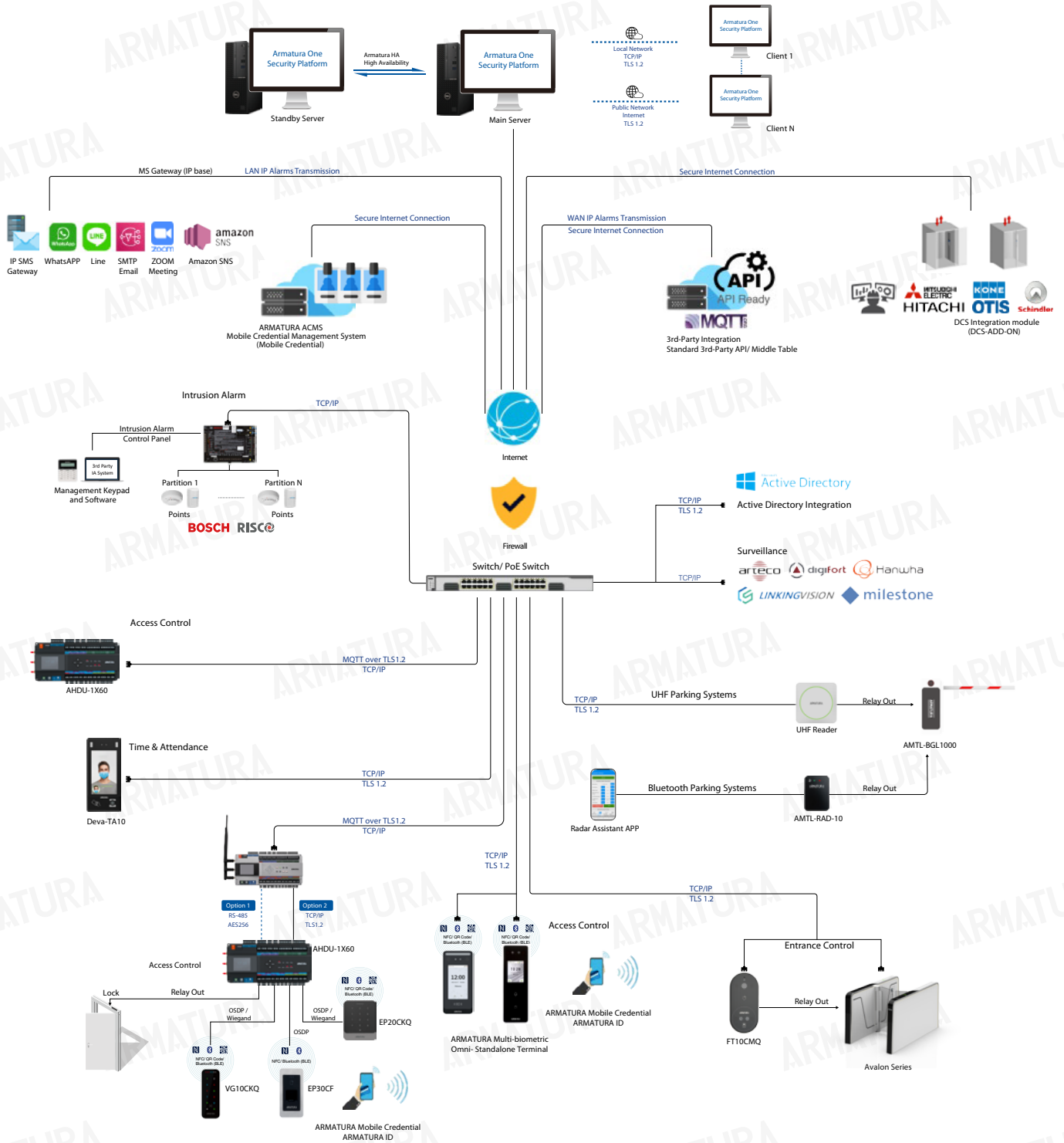
Dimensions



Specifications

Model	AMTL-RAD-10
Detection Distance	3.28ft to 19.69ft (1m to 6m)
Operating Frequency	79GHz
Operating Voltage	DC 10V to 16V
Operating Current	0.2A
Power Consumption	≤ 2.5W
Transmitter Power Output	12.5dBm
Antenna Gain	10dBi
Interface	RS485 (with a USB2.0 connector), Relay, Bluetooth (for config)
Protection Level	IP67 (Dustproof and Waterproof)
Net Weight	0.5lb (228g)
Operating Temperature	-40°F to 185°F / -40°C to 85°C
Dimensions	2.88" W x 4.23" L x 0.71" H (73.2 x 107.5 x 18mm)
Gross Weight	0.69lb (314.6g)

Configuration



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