MINEW

MSR01
MILLIMETER WAVE RADAR SENSOR

A sense of trust and precision.

The MSR01 Millimeter Wave Radar Sensor uses 60GHz mmWave technology for human presence detection, people flow statistics, and people counting. Supporting non-contact and anonymous detection, MSR01 helps protect privacy while improving space utilization, energy efficiency, and safety management. It is suitable for smart offices, buildings, retail, hotels, security systems, and smart home applications. Available in Bluetooth® and Wi-Fi versions, the Wi-Fi model also collects BLE data from external sensors and uploads it to the cloud for seamless integration.

FEATURES ▶

- 60GHz Transmit Frequency
- High-Sensitivity mmWave Detection
- Optional BLE / Wi-Fi Connectivity
- 100% Anonymous Detection
- 4T4R Multi-Antenna Layout
- 120° Configurable Detection Coverage

SEAMLESS SOLUTIONS FOR DIVERSE SCENARIOS ▶

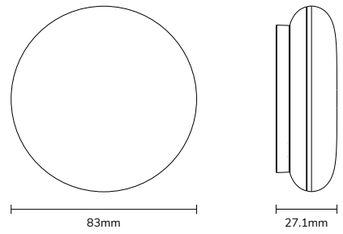
MSR01 Millimeter Wave Radar Sensor (WiFi Version)

MSR01 Millimeter Wave Radar Sensor (Bluetooth® Version)

	MSR01 Millimeter Wave Radar Sensor (WiFi Version)	MSR01 Millimeter Wave Radar Sensor (Bluetooth® Version)
Communication Technology	WiFi	Bluetooth® Low Energy
Human Presence Detection	✓	✓
People Flow Statistics	✓	✓
People Counting	✓	✓
Can Serve As a Gateway	✓	✗
Power Consumption	Medium	Lower than WiFi version
Connection Speed	Medium	Fast
Configurable and Upgradable via MinewLink App	✓	✓
Radar Data Viewing and Access	Requires MQTT subscription topic	Intuitive data via MinewLink App

MSR01 PARAMETERS

Material	ABS+PC
Communication Technology	WiFi / Bluetooth® LE
Operating Temperature	-10℃ to 45℃
Operating Humidity	0~95%RH (no condensation)
Radar Operating Frequency	60GHz
Radar Antenna Design	4T4R
Power Supply	DC 12V/1A
Detection Angle	120°
LED	1 RGB light
Configuration APP	MinewLink
OTA Update	Yes
LAN Update	For WiFi version only



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