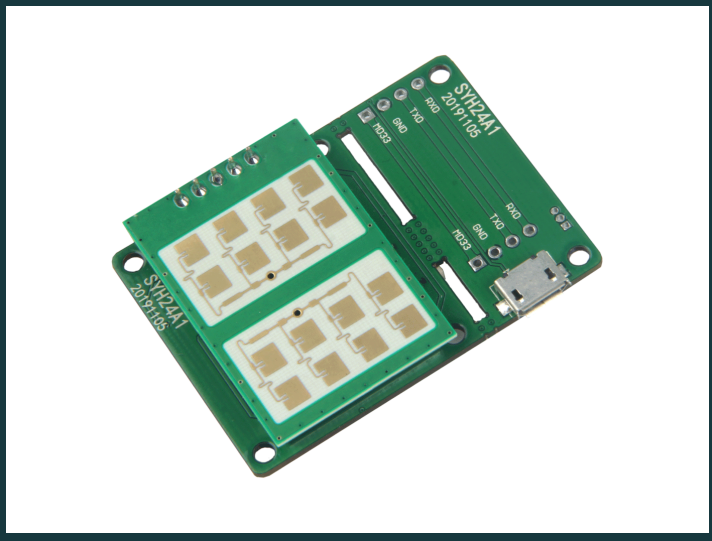
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INDUSTRIAL PRODUCT DATASHEET

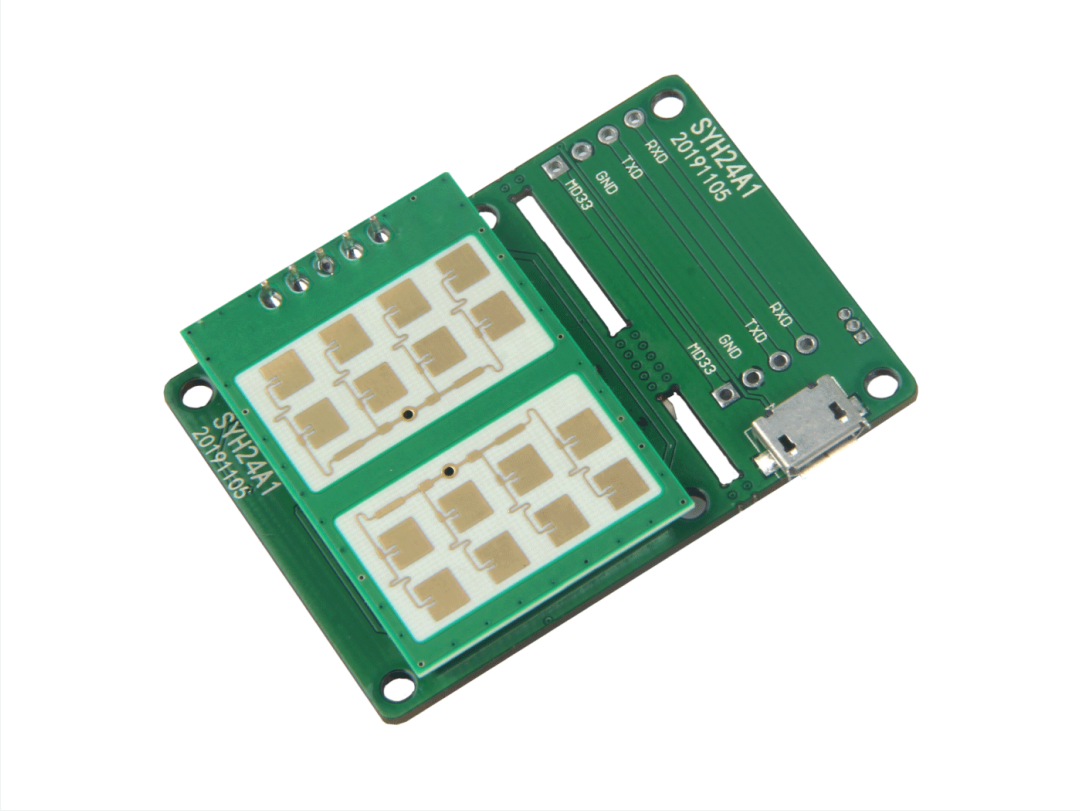
Millimeter Wave Doppler Radar (SYH24A1) - 24GHz Transceiver

This is a radar detection module based on the millimeter-wave doppler radar system for human motion and detection.

SKU	UPDATED	PRICE
114992118	2026-11-11 08:26:27	$29.95(Excl. VAT)



Overview



This is a radar detection module based on the millimeter-wave doppler radar system for human motion and detection. It is based on the SYH24A1 IC which is a 24GHz radar transceiver. This comes in a compact package and runs on very low power, providing high-precision measurements.

Key Features

01 24GHz transceiver IC for high-precision measurements of movement and speed

02 2 × 8 microstrip antenna for higher range

03 Compact size for easy deployment

04 Low power consumption for prolonged usage

05 Fast response using electromagnetic waves

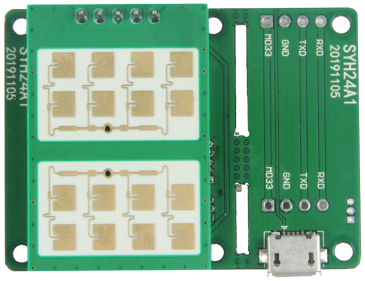
06 High penetration which allows it to be deployed behind an object

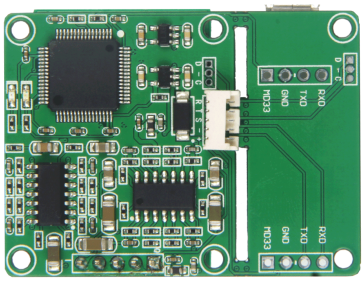
07 Detection of the human body's breathing, movement, number of people, distance, direction, etc..

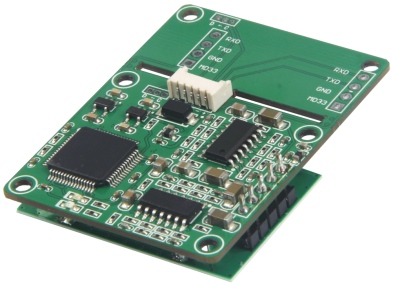
08 Maintains operation through harsh environments (temperature, humidity, noise, airflow, dust, light, etc)

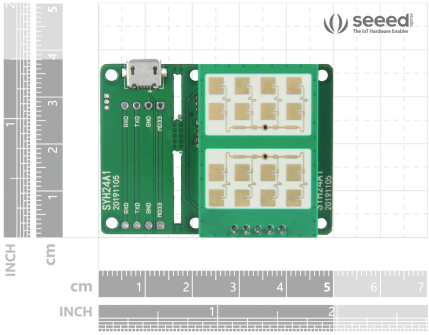
09 Low power output (no excessive radiation) and therefore no harm to the human body

Product Gallery









Applications

- Smart home appliances (TV, projection, speakers, etc.)
- Office energy saving (air conditioning, lighting)
- Hotel and Guest House Management
- Management of office personnel
- Intrusion Detection Systems
- Automatic door, elevator
- Smart street lights, etc.

Resource Links

- https://www.seeedstudio.com/Millimeter-wave-Doppler-radar-SYH24A-p-4392.html
- Datasheet
- Instruction Manual

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