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INDUSTRIAL PRODUCT DATASHEET

MR60FDA1 60GHz mmWave Sensor - Fall Detection Pro Module | FMCW, Sync Sense, Privacy Protect, high stability, support secondary development

MR60FDA1 60GHz mmWave Sensor - Fall Detection Pro Module | FMCW, Sync Sense, Privacy Protect, high stability, support secondary development provides high-accuracy fall and presence detection, privacy protection, and...

SKU	UPDATED	PRICE
101990981	2026-10-09 07:54:11	$37.00(Excl. VAT)



Overview

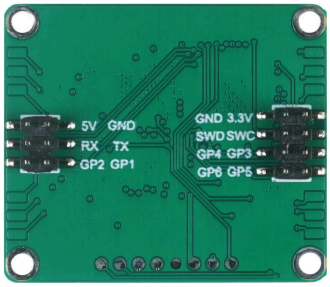


MR60FDA1 60GHz mmWave Sensor - Fall Detection Pro Module | FMCW, Sync Sense, Privacy Protect, high stability, support secondary development simultaneously detects moving, falling, and stationary human activities with fall detection and presence awareness accuracy ≥90%. It ensures privacy protection and high immunity against environmental interferences, supporting secondary development for elderly care, home security, and smart home applications.

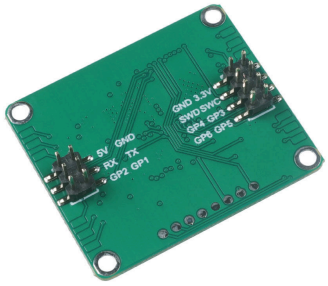
Key Features

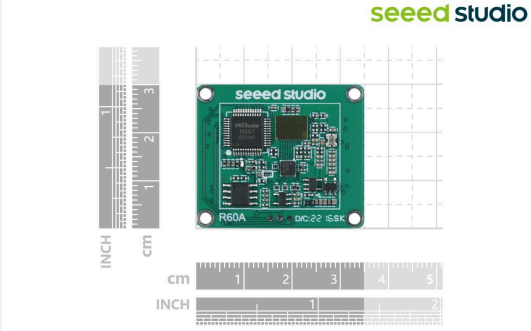
- **Enhanced detecting algorithm:** Output simultaneously human activities including moving, falling, and stationary in the self-adaption environment
- **High measured accuracy:** Achieve fall detection accuracy ≥90% and achieve presence awareness function accuracy ≥90 %
- **Privacy Protection:** More secure identification than the vision-based devices, with no concern about privacy leakage
- **High Immunity against Interferences:** Independ on temperature, humidity, noise, airflow, dust, light, and other environmental influences
- **Support Secondary Development:** Adapt to various scenarios and applications

Product Gallery









Specification

Content Minimum Typical Maximum Units	Typical	Units
Radius of movement of people detection [1]	6	metre
Fall monitoring radius [2]	3	metre
Radar detection angle (horizontal)	60	degree
Radar detection angle (pitch)	60	degree

Content	Minimum	Typical	Maximum	Supply voltage (VCC)
Operating current (ICC)	90	93	100	
Storage temperature (TST)	-40	-	80	Operating temperature (TOP)

Parameters				
Operating frequency (fTX)	58	-	63.5	GHz
Transmitted power (Pout)	-	-	6	dBm

Applications

- **Elderly Care**
- **Home Security**
- **Smart Home**

Part List

60GHz mmWave Radar Sensor - Fall Detection Module Pro	x1

Compliance & Logistics



HSCODE	8526109090
USHSCODE	8526100040
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/60GHz-mmWave-Radar-Sensor-Fall-Detection-Module-Pro-p-5375.html
- Universal Protocol
- Fall Detection Pro Module User Manual-V1.3
- Seeed Studio MMWave Sensor Case Design
- Upper Computer

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