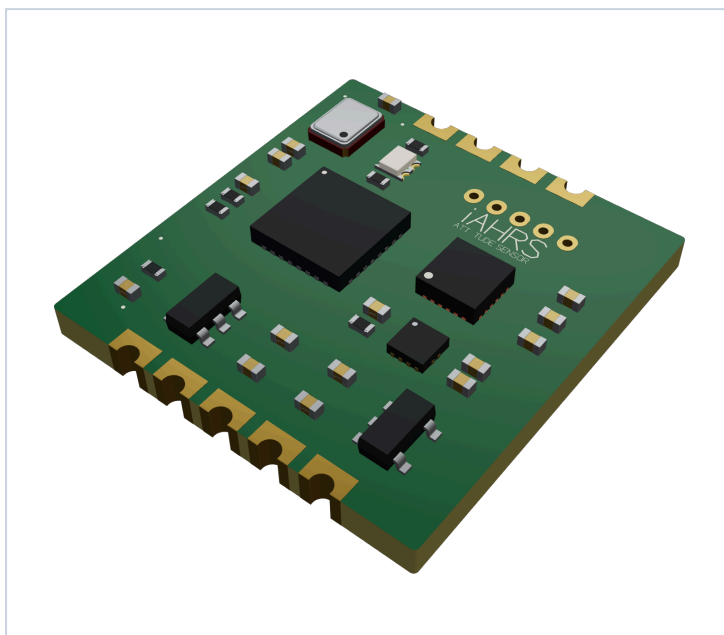


Board-level 9-axis AHRS sensor with LV TTL UART — no housing, for compact embedded integration



Representative image · rendered from the website 3D model (board-level · no housing)

Available (Naver SmartStore) · quotation and supply schedule on inquiry

Key features

Board-level · no housing

On-board module for direct integration into your own board or compact embedded system

LV TTL UART · 2.54 mm pitch

Connects to a host MCU through UART pin headers (2.54 mm pitch) · not electrically interchangeable with RS-232

Same AHRS functions as RB-SDA-v1

9 DOF fusion · roll, pitch and yaw output · shared manual (RB-SDA-v1 / RB-OB-v1)

Form · interface · sensor configuration

Form	Board-level 9-axis AHRS sensor · no housing · available
Interface	LV TTL UART (UART1 · UART2 pin headers, 2.54 mm pitch) · default 115200 bps
Sensor configuration	3-axis acceleration + 3-axis gyro + 3-axis magnetic + temperature (9 DOF)
Outputs	Roll · pitch · yaw, quaternion, raw sensor data (see manual)
Dimensions	PCB 19 × 20 mm (manual 1.2.1 specification)
Power · electrical	See the model manual for LV TTL UART electrical requirements and power pinout

Application examples

- UART integration on your own control board — verify LV TTL electrical conditions, pinout and baud rate in the manual
- Orientation data in compact devices — align the mounting axes with the device frame and record them on a drawing
- Connection examples with UART devices such as USB-to-TTL adapters or data loggers (OpenLog) are in manual section 3.1 (check pin assignment first)

Downloads · inquiry



Product page

Product page

robor.co.kr/product-info/en/rb-ob-v1.html

Manuals · downloads

robor.co.kr/downloads/

Quotation and supply schedule inquiry

robor.co.kr/inquiry.html

Availability: Available (Naver SmartStore) · quotation and supply schedule on inquiry