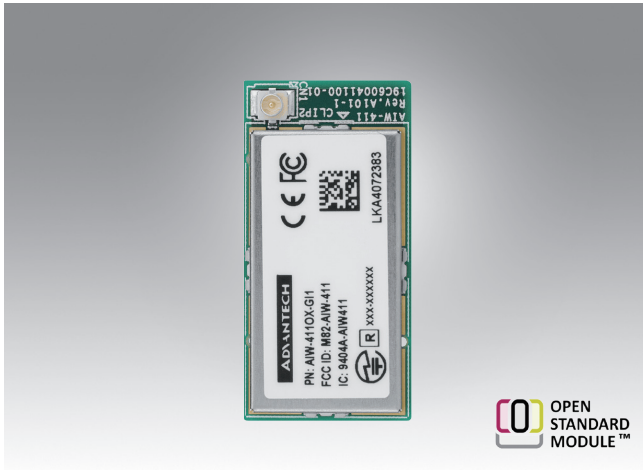


# AIW-4110X

IEEE802.11ax/ac/b/g/n+Bluetooth 5.4  
OSM size 0



## Features

- Arm® Cortex®-M33 @260MHz with Wi-Fi 6 and Bluetooth® LE 5.4
- Fast development with NXP SDK on an industrial-ready platform
- Featured I/Os including 2x UART, 2x I²C, 3x PWM, USB 2.0, Ethernet RMII, PSRAM, 16x GPIO
- Operating temperature:-40 ~ 85 °C



## Specifications



Main Chipset	NXP RW612 (260MHz Arm Cortex-M33)
Tx/Rx	1Tx/1Rx IPEX MHF1 connector
Standard Conformance	Wi-Fi 6 + BT 5.4
Form Factor	OSM size 0
I/O	2x UART, 2x I²C, 3x PWM, USB 2.0, 2x ADC, Ethernet RMII, SPI, PSRAM, 16x GPIO
Operation Voltage	Voltage Input Typ 3.3V/1A/3.3W
Power Consumption	Active mode :0.107W; Sleep mode :0.045W; Max:1.6W (Wi-Fi Tx 5G)
Security	Wi-Fi: WPA2/WPA3 personal and enterprise and AES/CCMP/CMAC/GCM BT: AES EdgeLockSecure Enclave, Secure Boot, AES-256 Encryption
O.S Supported	RTOS
Temperature Ranges	Operation: -40 to 85 °C
Dimensions (L x W x H)	15 x 30 x 2.7 mm

## Ordering Information

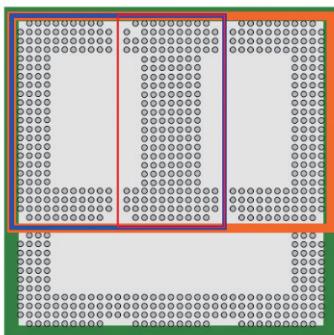
Part No.	Product Description
AIW-4110X-G11	NXP RW612 Wi-Fi 6 / BLE5.4 MCU OSM

## Development Board

Part No.	Product Description
AIW-DK411-G11	Carrier board for AIW-411

## OSM Dimension

Size-0 – “Zero”: 30 mm x 15 mm / with 188 contacts → shown below with red outlines



## Suggested Antenna & Cables

Part No.	Specifications	Qty
1751000651-01	Dipole Ant. Wi-Fi 6E SMA/M-R BLK L111.7mm IP54	1
1751000460-01	Dipole Ant. Wi-Fi 6E SMA/M-R BLK L111.7mm IP54	1
1751000647-01	RF Cable SMA/F-R MHF1/113 BLK L100mm	1
1751000627-01	RF Cable SMA/F-R MHF1/113 BLK L150mm	1
1751000634-01	RF Cable SMA/F-R MHF1/113 BLK L200mm	1
1751000626-01	RF Cable SMA/F-R MHF1/113 BLK L250mm	1
1751000588-01	RF Cable SMA/F-R MHF1/113 GRY L300mm	1