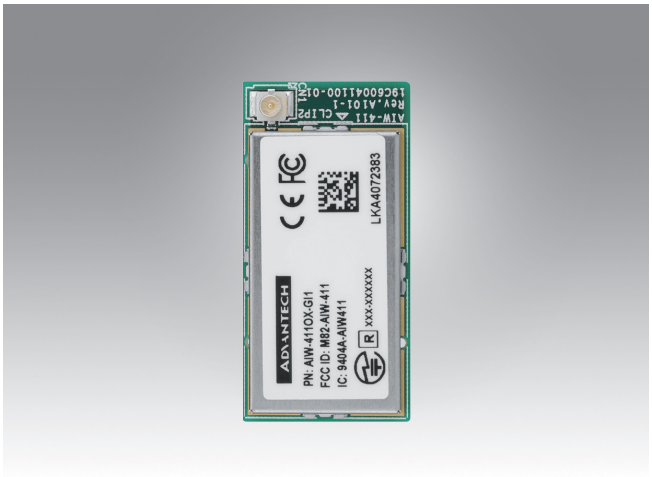
AIW-4110X

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



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
  USB 2.0 OTG *1
  Ethernet RMII*1
  UART *2
  SPI *1
  I²C *1
  PWM *3
  ADC *2
  GPIO *16
  SDIO*1
- 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
I/O	USB 2.0 OTG *1 Ethernet RMII*1 UART *2 SPI *1 I²C *1 PWM *3 ADC *2 GPIO *16 SDIO*1
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/GCMP 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-GI1	NXP RW612 Wi-Fi 6 / BLE5.4 Wireless Module

Development Board

Part No.	Product Description
AIW-DK411-GI1	Carrier board for AIW-411

Suggested Antenna & Cables

Part No.	Specifications	Qty
1751000651-01	Dipole Ant. WiFi 6E SMA/M-R BLK L111.7mm IP54	1
1751000460-01	Dipole Ant. WiFi 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

All product specifications are subject to change without notice.