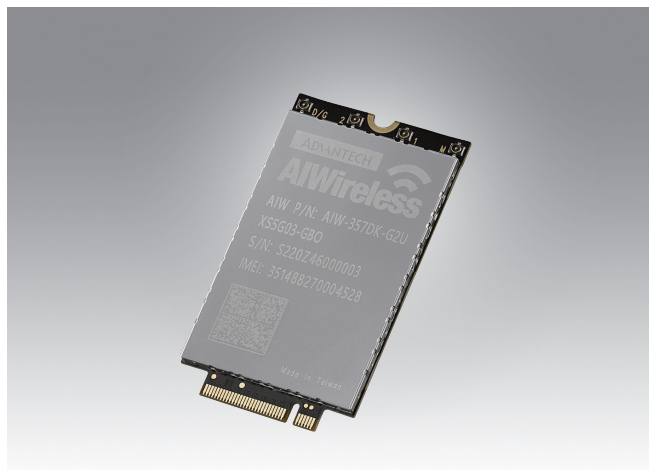


AIW-357

5G NR Sub 6+GNSS WWAN module, M.2 3052 Key-B form factor



Features

- 5G NR SUB6/LTE/WCDMA systems
- Max UL peak rate of 1150Mbps
- Max DL peak rate 2.97 Gbps NSA EN-DC
- UL Max support 2 MIMO
- DL Max support 4 MIMO
- Operating temperature: -30 ~ 70 °C (-22 ~ 158 °F)
- Storage temperature: -40 ~ 85 °C (-40 ~ 185 °F)
- Extend temperature: -30 ~ 80 °C (-22 ~ 176 °F)
- GNSS, GPS/GLONASS/Galileo/Beidou/QZSS
- Made in Taiwan

Introduction

Advantech AIW-357 is a highly integrated 5G WWAN module with M.2 Key B form-factor. It supports USB3.0/PCIe two single communication interface to apply variety platform. Moreover, it provides unmatched data speeds and coverage, leading power efficiency and best compatibility solutions.

Specifications

Main Chipset	MediaTek T700
Antenna	4pcs X 5G Antenna with GNSS
Band	<ul style="list-style-type: none">SA: n1/2/3/5/7/8/20/25/28/30/38/40/41/48/66/71/77/78/79NSA: n1/2/3/5/8/20/28/38/41/66/71/77/78/79LTE: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/34/38/39/40/41/42/43/46/48/66/71WCDMA: B1/2/4/5/8GNSS, GPS/GLONASS/Galileo/Beidou/QZSS
Data Throughput	Max DL peak rate 2.97 Gbps NSA EN-DC Max UL peak rate of 1150Mbps
Interface	AIW-357 DK-G1P: PCIe AIW-357 DK-G2U: USB 3.1
Operation Voltage	3.135V ~3.63V, typical 3.3V
Power Consumption	2.26A
O.S Supported	AIW-357 DK-G1P: Linux (Ubuntu 22.04) AIW-357 DK-G2U: Windows 10, Linux (Ubuntu 20.04)
Temperature Ranges	<ul style="list-style-type: none">Operating temperature: -30 ~ 70 °C (-22 ~ 158 °F)Storage temperature: -40 ~ 85 °C (-40 ~ 185 °F)Extend temperature: -30 ~ 80 °C (-22 ~ 176 °F)
Dimensions (L x W x H)	30 x 52 x 2.4 mm/1.18 x 2.04 x .09 in (B-key)

Ordering Information

Part No.	Product Description
AIW-357 DK-G1P	5G (Sub-6G)/LTE module, PCIe communication interface, with GNSS, for NA/EU/JP/TW
AIW-357 DK-G2U	5G (Sub-6G)/LTE module, USB communication interface, with GNSS, for NA/EU/JP/TW

Suggested Antenna and Cable

Model Name	Part No.	Specifications
AIW-533	1751000428-01	Multi-band dipole antenna covering 600–6000 MHz , suitable for 2/3/4/5G sub6, GPS-L1, and more
AIW-534	1751000512-01	Multi-band dipole antenna covering 600–6000 MHz , suitable for 2/3/4/5G sub6, GPS-L1, and more
	1751000649-01	Coaxial Cable, 10cm, SMA female to IPEX4
	1751000625-01	Coaxial Cable, 15cm, SMA female to IPEX4
	1751000633-01	Coaxial Cable, 20cm, SMA female to IPEX4
	1751000624-01	Coaxial Cable, 25cm, SMA female to IPEX4
	1751000623-01	Coaxial Cable, 30cm, SMA female to IPEX4