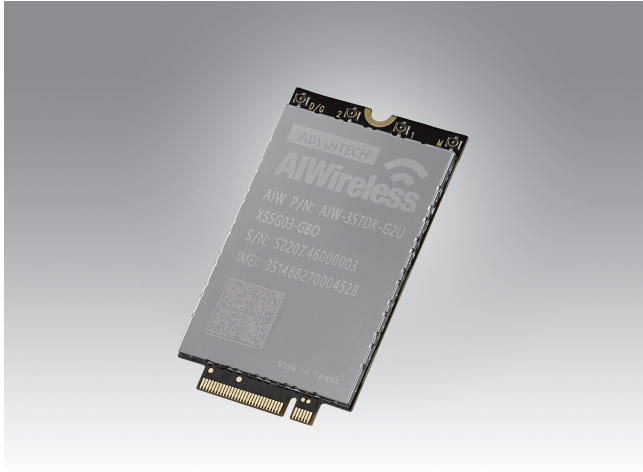


AIW-357

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 as a 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: n1/2/3/5/7/8/20/25/28/30/38/40/41/43/66/71/77/78/79▪ NSA: n1/2/3/5/8/20/28/38/41/66/71/77/78/79▪ LTE: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/34/38/39/40/41/42/43/46/48/66/71▪ WCDMA: B1/2/4/5/8▪ GNSS, 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 Antennas and Cables

Part No.	Specifications
1751000428-01	5G(Sub-6G) antenna, 6000MHz, Antenna Gain<3 dBi, SMA Male, 185 mm/7.28 in
1750008569-01	Coaxial Cable, 300 mm/11.8 in, SMA (F) to MFH4