AIW-343

Wide Temperature 4G/ LTE, Full-size Mini PCIe Card

Features

- 4G/ LTE Cat.4, WCDMA/GSM/GPRS/EDGE
- LTE Cat4.: Max UL to 50Mbps
- LTE Cat4.: Max DL to 150Mbps
- Operating temperature:
  Normal: : -20°C ~ +55°C / -4°F ~ 131°F
  Extended: -40°C ~ +85°C / -40°F ~ 185°F
- With GNSS: GPS/GLONASS/BeiDou/Galileo/QZSS
- With SIM slot

Specifications

Main Chipset	Qualcomm MDM9X07		
Antenna	2 X LTE Antenna Coaxial Connectors + 1 X GPS antenna connector		
Band	AIW-343FQ-E01 ▪ 4G: Band 1, 3, 7, 8, 20, 28A ▪ 3G: Band 1, 3, 8 ▪ 2G: Band 3, 8	AIW-343FQ-J01 ▪ 4G: Band 1, 3, 5, 8, 9, 18, 19, 26, 28 ▪ 3G: Band 1, 5, 6, 8, 19	AIW-343FQ-N01 ▪ 4G: Band 2, 4, 5, 12, 13, 14, 66, 71 ▪ 3G: Band 2, 4, 5
Data Throughput	4G/ LTE Cat.4 (LTE: 150Mbps DL, 50Mbps UL)		
Interface	USB 2.0		
Operation Voltage	3.3V~3.6V (3.3V recommended)		
Power Consumption	890mA		
Supported O.S	Windows10, Linux		
Temperature Ranges	Operation: Normal: -20°C ~ +55°C / -4°F ~ 131°F; Extended: -40°C ~ +85°C / -40°F ~ 185°F		
Dimensions (L x W x H)	50.95 x 29.9 x 3.2 mm / 2 x 1.17 x 0.125 in (Version with SIM holder : 4.62 mm / 0.18 in)		

Ordering Information

Part No.	Product Description
AIW-343 FQ-E01	LTE/HSPA+/GPRS module, with GPS, for EU, for TW
AIW-343 FQ-J01	LTE/HSPA+/GPRF module, with GPS, for JP
AIW-343 FQ-N01	LTE/HSPA+/GPRF module, with GPS, for US

Suggested Antenna and Cable

Part No.	Specifications
1750006264	Coaxial Cable, 15 cm / 5.9 in, SMA (F) to MHF
1750006009	Coaxial Cable, 25 cm / 9.8 in, SMA (F) to MHF
1750008303-01	4G/LTE full band dipole antenna, 130 mm / 5.11 in
1750007991-01	GPS antenna 1575 MHz, Antenna 3 dBi, (Zenith) L1: 1575.42 MHz, B2: 1561.098 MHz, GNSS: 1602 MHz antenna 4.94 x 3.93 x 1.49 cm/1.94 x 1.54 x 0.58 in, RHCP and SMA male

All product specifications are subject to change without notice.
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