AIW-344

LTE Cat.4+GNSS, Full-size mini-PCIe

Features

- 4G/LTE CAT4 ,TDD-LTE/FDD-LTE/WCDMA/GSM
- LTE FDD:150Mbps DL/50Mbps UL (Cat 4)
- LTE TDD:130Mbps DL/30.5Mbps UL (Cat 4)
- Operating temperature:
  Normal: : -30°C ~ +75°C / -22°F ~ 167°F
  Extended: -40°C ~ +85°C / -40°F ~ 185°F
- With GNSS: GPS/GLONASS/BeiDou

Specifications

Main Chipset	Qualcomm MDM9X07
Antenna	2 LTE Antenna Coaxial Connectors +1 GPS antenna connector
Band	AIW-344FQ-E02 ▪ FDD-LTE: Band 1,3,5,7,8,20,28 ▪ TDD-LTE: Band 38,40,41 ▪ WCDMA/HSPA+: Band 1, 5, 8 ▪ GSM/GPRS/EDGE: 850/900/1800MHz AIW-344FQ-J01 ▪ LTE FDD: Band1,3,8,11,18,19,21,26,28 ▪ LTE TDD: Band41 ▪ WCDMA/HSPA+: Band1,6,8,19 AIW-344FQ-N01 ▪ LTE FDD: Band 2,4,5,12,13,17,66,71 ▪ WCDMA: Band 2,4,5
Data throughput	4G/LTE Cat. 4 (FDD-LTE: 150 Mbps DL, 50 Mbps UL; TDD-LTE: 130 Mbps DL, 30 Mbps UL)
Interface	USB 2.0
Operation Voltage	3.3V ~ 4.3V (3.8V recommended)
Power Consumption	790mA
O.S Supported	Windows10, Linux
Temperature Ranges	Operating temperature: Normal: : -30°C ~ +75°C / -22°F ~ 167°F Extended: -40°C ~ +85°C / -40°F ~ 185°F
Dimensions (L x W x H)	50.95 x 30.4 x 3.42 mm / 2 x 1.18 x 0.135 in

Ordering Information

Part No.	Product Description
AIW-344FQ-E02	LTE/HSPA+/GPRS module, with GPS, for EU, for TW, for Australia, for Brazil
AIW-344FQ-N01	LTE/HSPA+/GPRF module, with GPS, for US
AIW-344FQ-J01	LTE/HSPA+/GPRF module, with GPS, for JP

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
1751000590-01	4G/LTE dipole antenna, 163.1 mm / 6.42 in
1751000360-01	GPS&BEIDOU ANTENNA L=2m
1751000361-01	GPS&BEIDOU ANTENNA L=5m

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