

AIW-346

LTE Cat.4+GNSS, Multiple form factor
Modem card, pre-carrier certified



Features

- 4G/LTE Cat 4 and FDD-LTE/WCDMA
- LTE FDD:150Mbps DL/50Mbps UL (Cat 4)
- LTE TDD:130Mbps DL/30.5Mbps UL (Cat 4)
- Operating temperature:
Normal: -30°C ~ +80°C / -22°F ~ 176°F
Extended: -40°C ~ +85°C / -40°F ~ 185°F
- Pre-carrier certified modem: AT&T and Verizon
- With GNSS: GPS/GLONASS/BeiDou/Galileo/QZSS(optional)
- Driver ready on Windows 10 and Linux (RNDIS supported)
- With SIM slot



Specifications

Main Chipset	QUALCOMM MDM9607
Antenna	2 x I-PEX connector for external LTE antenna 1 x I-PEX connector for external GPS antenna
Band	LTE Band: 2, 4, 5, 12, 13, 14, 66, 71 WCDMA Band: 2, 4, 5
Data Throughput	4G/ LTE Cat.4 (LTE: 150Mbps DL, 50Mbps UL)
Interface	USB 2.0 / UART board-to-board connector
Operation Voltage	DC 3.3/5V through board-to-board connector
O/S supported	Supports drivers for Windows 10 and Linux
Temperature Ranges	Operating temperature: Normal: -30°C ~ +80°C / -22°F ~ 176°F Extended: -40°C ~ +85°C / -40°F ~ 185°F
Dimensions (L x W x H) (Top Layer)	50 x 31 x 7.5 mm / 1.96 x 1.23 x 0.3 in

Ordering Information

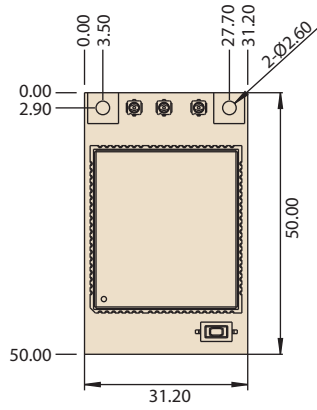
Part No.	Product Description
AIW-346 FQ-N01	4G communication modem, USB only for data transmission, with mPCIe adapter 2* screws and 2* studs
AIW-346 FQ-N02	4G communication modem, USB only for data transmission, with M.2 3052 adapter 3* screws

Recommended Antennas and Cables

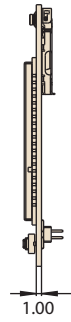
Part No.	Specifications
1750007991-01	GPS antenna 1575 MHz, Antenna 3 dBi, (Zenith) L1: 1575.42 MHz, B2: 1561.098 MHz, GNSS: 1602 MHz antenna 4.94 x 3.93 x 1.49, RHCP and SMA male (cm)
1750006264	Coaxial Cable, 15 cm/5.9 in, SMA (F) to MHF
1750006009	Coaxial Cable, 25 cm/9.84 in, SMA (F) to MHF
1751000590-01	4G/LTE dipole antenna, 163.1 mm / 6.42 in

Dimensions

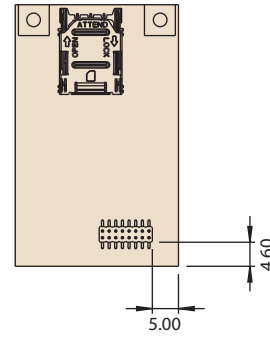
Unit: mm



Top View

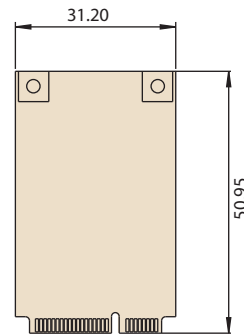
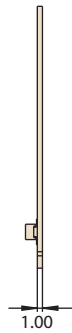
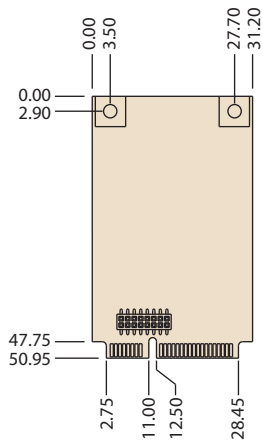


Side View

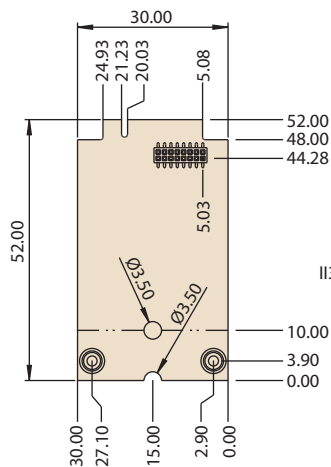


Bottom View

miniPCle Adapter



M.2 Adapter



II390YII028AI

