

# AIW-344

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



### 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/Extended: -40°C ~ +85°C
- With GPS

### Specifications

|                        |   |   |  |
|------------------------|---|---|--|
| Main Chipset           | Qualcomm MDM9X07  |   |  |
| Antenna                | 2 LTE Antenna Coaxial Connectors +1 GPS antenna connector   |   |  |
| Band                   | AIW-344FQ-E01 <ul style="list-style-type: none"><li>▪ FDD-LTE: Band 1,3,5,7,8,20,28</li><li>▪ TDD-LTE: Band 38,40,41</li><li>▪ HSPA/UMTS: Band 1,5,8</li><li>▪ GSM/GPRS/EDGE: 850/900/1800MHz</li></ul> | AIW-344FQ-J01 <ul style="list-style-type: none"><li>▪ LTE FDD: Band 1,3,8,11,18,19,21,26,28</li><li>▪ LTE TDD: Band 41</li><li>▪ WCDMA/HSPA+: Band 1,6,8,19</li></ul> | AIW-344FQ-N01 <ul style="list-style-type: none"><li>▪ LTE FDD: Band 2,4,5,12,13,17,66,71</li><li>▪ WCDMA: Band 2,4,5</li></ul> |
| Data throughput        | 4G/LTE Cat. 4 (FDD-LTE: 150 Mbps DL, 50 Mbps UL; TDD-LTE: 130 Mbps DL, 30 Mbps UL)  |   |  |
| Interface              | PCI Express mini-card   |   |  |
| Operation Voltage      | 3.3V ~ 4.3V (3.8V recommended)  |   |  |
| Power Consumption      | Idle mode: <15mA (USB sleep); <29mA (USB wake up)   |   |  |
| O.S Supported          | Windows 7/8.x/10, Linux   |   |  |
| Temperature Ranges     | Operation: Normal: -30°C ~ +75°C/Extended: -40°C ~ +85°C  |   |  |
| Dimensions (L x W x H) | 50.85 x 29.9 x 6.2 mm   |   |  |

### Ordering Information

| Part No.      | Product Description                     |
|---------------|---|
| AIW-344FQ-E01 | LTE/HSPA+/GPRS module, with GPS, for EU |
| 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   |
|---------------|--|
| 1750006432    | GPS antenna 1575 MHz, Antenna L1: 1575.42 MHz, RHCP and SMA male |
| 1750006264    | Coaxial Cable, 15 cm, SMA (F) to MHF                             |
| 1750006009    | Coaxial Cable, 25 cm, SMA (F) to MHF                             |
| 1750008303-01 | 4G/LTE full band dipole antenna, 130 mm                          |