

# EWM-NB147F01E

## Wide-Temp CAT M1 / NB-IoT, Full-size Mini PCIe Card (with SIM holder)



### Features

- 4G/LTE Bands Cat. 1
- DL 375 kb/s Cat M1 Half-duplex
- UL 375 kb/s Cat M1 Half-duplex
- Extended operating temperature: -40 to +85 °C
- Normal operating temperature: -20 to +65 °C
- Build-in micro SIM card holder

### Specifications

Main Chipset	u-blox SARA-R410-02B LTE Cat M1 / NB1 engine
Antenna	One U.FL-R-SMT-1 Antenna Coaxial Connectors
Band	4G/LTE Cat. 1: <ul style="list-style-type: none"><li>▪ Bands 2, 3, 4, 5, 8, 12, 13, 20, 28</li></ul>
Data throughput	Downlink Speed 375 kb/s Cat M1 Half-duplex Uplink Speed 375 kb/s Cat M1 Half-duplex Downlink Speed 27.2 kb/s Cat NB1 Half-duplex Uplink Speed 62.5 kb/s Cat NB1 Half-duplex
Interface	USB 2.0
Operation Voltage	3.3V ~ 3.6V
Certification	FCC, ISED, GCF, NCC, PTCRB, RCM, AT&T, Telstra, T-Mobile, Verizon
O.S Supported	Windows, Linux, and Android
Temperature Ranges	Operation: -40 to +85 °C
Dimensions (L x W x H)	50.85 x 29.9 x 6.2 mm

### Ordering Information

Part No.	Product Description
EWM-NB147F01E	LTE Cat M1 / NB-IoT module, with SIM Slot

### Suggested Antenna and Cable

Part No.	Specifications
1750007990-01	4G/LTE full band dipole antenna, 110 mm
1750006264	Coaxial GSM/ GPS Cable, 150 mm
1750006009	Coaxial GSM/ GPS Cable, 250 mm
1750008303-01	4G/LTE full band dipole antenna, 130 mm