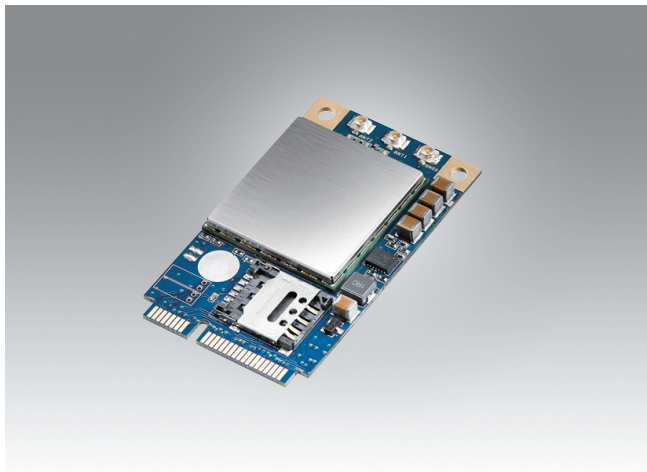


# EWM-C120/121/ 122/128FG01E

Wide-Temp 4G CAT1 & GNSS, Full-size  
Mini PCIe Card (Swth SIM holder)



## Features

- 4G/LTE Bands Cat. 1 & GNSS
- DL:10 Mbps, UL:5 Mbps
- Operating temperature: -40 to +85 °C
- Build-in nano SIM card holder

## Specifications

Main Chipset	u-blox LARA-R2 series 4G LTE CAT1 engine+u-blox 72-channel EVA-M8M-0 GNSS engine
Antenna	2 LTE Antenna Coaxial Connectors +1 GPS antenna connector
Band	4G/LTE Cat. 1: <ul style="list-style-type: none"> <li>▪ Bands 2, 4, 5, 12 for EWM-C120FG01E</li> <li>▪ Bands 3, 7, 20 for EWM-C121FG01E</li> <li>▪ Bands 1, 19 for EWM-C122FG01E</li> <li>▪ Bands 3, 8, 28 for EWM-C128FG01E</li> </ul> 3G UMTS: band 2,5 for EWM-C120FG01E; band 1 for EWM-C128FG01E
Data throughput	4G/LTE Cat.1 (DL:10 Mbps, UL:5 Mbps)
Interface	USB 2.0
Operation Voltage	3.3V ~ 3.6V
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-C120FG01E	LTE CAT1/3G/GPS mini PCIe module with SIM slot for US/NA
EWM-C121FG01E	LTE CAT1/GPS mini PCIe module with SIM slot for EU
EWM-C122FG01E	LTE CAT1/GPS mini PCIe module with SIM slot for Japan NTT DoCoMo
EWM-C128FG01E	LTE CAT1/3G/GPS mini PCIe module with SIM slot for Taiwan/APAC

## 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
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, SMA (F) to MHF
1750006009	Coaxial Cable, 25 cm, SMA (F) to MHF
1750008303-01	4G/LTE full band dipole antenna, 130 mm