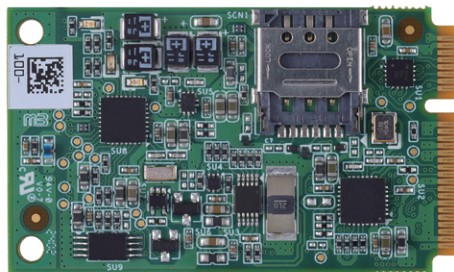


# EIO118 NEW

Full-size LTE Cat.4 Mini Card with GNSS Module



▲ Bottom view



▲ JP\_top view



▲ AM\_top view



▲ EAU\_top view

## Features

- Supports LTE Cat 4 with up to 50 Mbps uplink speed
- Supports LTE Cat 4 with up to 150 Mbps downlink speed
- Wide operating temperature range from -40°C to +70°C
- Seamless switching between modules and SIM card slots for flexible connectivity
- Integrated watchdog for enhanced system reliability and availability
- Communication Manager enables remote monitoring and real-time management
- Regional support through corresponding models

## Overview

The EIO118 series is an LTE wireless communication module in a PCIe Mini Card form factor, supporting multiple network formats and bands, including LTE-TDD, LTE-FDD, TD-SCDMA, WCDMA, EVDO, CDMA, and GSM. It delivers LTE Cat 4 speeds, offering up to 150 Mbps for downlink and 50Mbps for uplink, making it an ideal solution for industrial routing, security, and Internet of Vehicles (IoV) applications.

## Specifications

Model Name	EIO118-EAU-LTE	EIO118-JP-LTE	EIO118-AMATT-LTE	EIO118-AMVZW-LTE
P/N	E39P118100	E39P118102	E39P118101	E39P118103
Supported Frequency	LTE FDD: Band 1/3/5/7/8/20/28 LTE TDD: Band 38/40/41 WCDMA: Band 1/5/8 GSM/GPRS/EDGE: 850/900/1800 MHz	WCDMA/HSPA+: 3.5 dBm ± 1.5 dBm LTE FDD: 23 dBm ± 2 dBm LTE TDD: 23 dBm ± 2 dBm	WCDMA: 23.5 dBm ± 1dBm LTE FDD: 23.0 dBm ± 1dBm	
Operating Frequency	Please refer to the specifications listed above.			
AT Command Set	3GPP TS 27.007 and 27.005 standards, along with proprietary Fibocom AT commands			
Axiomtek Control Command Set	Supports built-in Axiomtek commands for monitoring and control, featuring the following functions: <ul style="list-style-type: none"><li>• Hardware and software reset.</li><li>• SIM slot switching between the module and the mainboard.</li><li>• Operation information logging and monitoring.</li></ul>			
TX Power	GSM850: 32.5 dBm ±1 dBm GSM900: 32.5 dBm ± 1 dBm DCS1800: 29.5 dBm ± 1dBm WCDMA: 23.5 dBm ± 1dBm LTE FDD: 23 dBm ± 1dBm LTE TDD: 23 dBm ± 1 dBm	WCDMA/HSPA+: 3.5 dBm ± 1.5 dBm LTE FDD: 23.0 dBm ± 2dBm LTE TDD: 23.0 dBm ± 2dBm	WCDMA: 23.5 dBm ± 1dBm LTE FDD: 23.0 dBm ± 1dBm	
Downlink Speed	LTE FDD: 150 Mbps LTE TDD: 130 Mbps WCDMA: 384 kbps DC-HSPA+: 42 Mbps EDGE: 296 Kbps GPRS: 107 Kbps	LTE FDD: 150 Mbps LTE TDD: 130 Mbps DC-HSPA+: 42 Mbps WCDMA: 384 Kbps	LTE FDD: 150 Mbps WCDMA: 384 Kbps DC-HSPA+: 42 Mbps	
Interface	SIM Card: 1.8V/3.0V USB 2.0			
Antenna	Main/DIV/GNSS			
DFOTA/FOAT	Yes			
System Indicator	Yes (module's operation / mobile's communication status is displayed)			
Operation Status Indicator Light	Yes			
OS	Support Linux and Windows			
Certifications	Regulation: CE-RED/RCM/NCC/ ANATEL/RoHS Operator: DTAG	Regulation: RoHS/JATE/TELEC/REACH Operator: DOCOMO/KDDI/SoftBank	Regulation: FCC/IC/RoHS Operator: Verizon/AT&T/T-Mobile	

### Mechanical/Environmental

Temperature	Normal operating temperature: -40°C to +70°C Storage temperature: -40°C to +85°C
Power Supply	3.0V to 3.6V (typical: 3.3V)
Power Consumption	Standby: less than 1W (VCC: 3.3V, +25°C)
Dimensions	51 x 30 x 5.7 mm
Weight	Less than 10.5 g

## Ordering Information

EIO118-EAU-LTE (P/N: E39P118100)	The LTE wireless communication EAU module in PCI Express Mini Card form factor, includes 1 SIM card slot and USB 2.0 interface (for Europe and Asia)
EIO118-JP-LTE (P/N: E39P118102)	The LTE wireless communication JP module in PCI Express Mini Card form factor, includes 1 SIM card slot and USB 2.0 interface (for Japan)
EIO118-AMATT-LTE (P/N: E39P118101)	The LTE wireless communication AMATT module in a PCI Express Mini Card form factor, includes 1 SIM card slot and USB 2.0 interface (for North America AT&T Mobility, LLC)
EIO118-AMVzW-LTE (P/N: E39P118103)	The LTE wireless communication AMVzW module in a PCI Express Mini Card form factor, includes 1 SIM card slot and USB 2.0 interface (for North America Verizon Wireless)

\*Specifications and certifications may vary depending on different requirements.