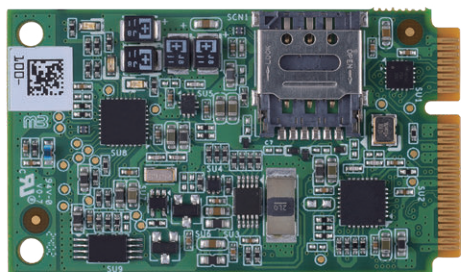


EIO118 NEW

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



▲ Bottom view

Features

- Supports LTE Cat 4 with up to 50Mbps uplink speed
- Supports LTE Cat 4 with up to 150Mbps 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



▲ JP_top view



▲ AM_top view



▲ EAU_top view

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 150Mbps 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-AMV2W-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: 850/900/1800MHz	LTE FDD: Band 1/3/8/11/18/19/21/26/28 LTE TDD: Band 41 WCDMA: Band 1/6/8/19	LTE FDD: Band 2/4/5/12/13/17/66/71 WCDMA: Band 2/4/5	
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"> • Hardware and software reset. • SIM slot switching between the module and the mainboard. • Operation information logging and monitoring. 			

Specifications

Model Name	EIO118-EAU-LTE	EIO118-JP-LTE	EIO118-AMATT-LTE	EIO118-AMVzW-LTE
P/N	E39P118100	E39P118102	E39P118101	E39P118103
TX Power	GSM850: 32.5dBm±1dBm GSM900: 32.5dBm±1dBm DCS1800:29.5dBm±1dBm WCDMA : 23.5dBm±1dBm LTE FDD: 23.0dBm±1dBm LTE TDD: 23.0dBm±1dBm	WCDMA/HSPA+: 3.5dBm±1.5dBm LTE FDD: 23.0dBm±2dBm LTE TDD: 23.0dBm±2dBm	WCDMA: 23.5dBm±1dBm LTE FDD: 23.0dBm±1dBm	
Downlink Speed	LTE FDD: 150Mbps LTE TDD: 130Mbps WCDMA: 384 kbps DC-HSPA+: 42Mbps EDGE: 296Kbps GPRS: 107Kbps	LTE FDD: 150Mbps LTE TDD: 130Mbps DC-HSPA+: 42Mbps WCDMA: 384Kbps	LTE FDD: 150Mbps WCDMA: 384Kbps DC-HSPA+: 42Mbps	
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 mm x 30 mm x 5.7 mm			
Weight	Less than 10.5g			

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 Australia)
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.