

## Wireless Module

### VIA EMIO-2573

Full-size miniPCIe 4G LTE wireless broadband module



## Features

- LTE Category 4 module optimized for M2M and IoT applications
- LTE, UMTS/HSPA+ and GSM/GPRS/EDGE coverage
- Supports 1.4 to 20MHz RF bandwidth
- Supports MIMO in DL direction
- Support for Android, Linux, and Windows® 10/8/7

## Specifications

<b>Model Name</b>		<b>EMIO-2573 Mobile Broadband miniPCIe Module</b>	
<b>Wireless</b>	<b>LTE-FDD Data Rate</b>	<b>Download</b> Up to 150 Mb/s <b>Upload</b> Up to 50 Mb/s	
	<b>LTE-TDD Data Rate</b>	<b>Download</b> Up to 130 Mb/s <b>Upload</b> Up to 35 Mb/s	
	<b>UMTS/DC-HSPA+ Data Rate</b>	<b>HSDPA</b> Up to 42 Mb/s <b>HSUPA</b> Up to 5.76 Mb/s	
	<b>LTE Bands</b>	<b>LTE-FDD</b>	B2/B4/B12 (North America) B1/B3/B5/B7/B8/B20 (Europe) B1/B3/B8/B18/B19/B26 (Japan)
		<b>LTE-TDD</b>	B38/B40/B41 (Europe) B41 (Japan)
	<b>WCDMA Bands</b>	B2/B4/B5 (North America) B1/B5/B8 (Europe) B1/B6/B8/B19 (Japan)	
	<b>GPRS/EDGE and GSM Bands</b>	900/1800 MHz (Europe)	
	<b>LTE Power Class</b>	Power Class 3 (23dB) for LTE-FDD and LTE-TDD bands	
	<b>WCDMA/DC-HSPA+ Power Class</b>	Power Class 3 (24dB) for WCDMA bands	
	<b>GSM/GPRS Power Class</b>	Power Class 4 (33dB) for GSM850 and GSM900 bands Power Class 1 (30dB) for DCS1800 and PCS1900 bands	
<b>EDGE Power Class</b>	Power Class E2 (27dB) for GSM850 and GSM900 bands Power Class E2 (26dB) for DCS1800 and PCS1900 bands		
<b>4G Antenna Guideline</b>	<b>Impedance</b>	50Ω nominal characteristic impedance	
	<b>Frequency</b>	791..960MHz: (Peak gain 1dBi, Avg. gain -1dBi, V.S.W.R 4.0:1 Max.) 1710..1880MHz: (Peak gain 3dBi, Avg. gain -0.5dBi, V.S.W.R 2.5:1 Max.) 1920..2170MHz: (Peak gain 2.5dBi, Avg. gain -1dBi, V.S.W.R 2.5:1 Max.) 2500..2700MHz: (Peak gain 3.5dBi, Avg. gain 0dBi, V.S.W.R 2.5:1 Max.)	
<b>General</b>	<b>Polarization</b>	Linear, Vertical	
	<b>Antenna Connector Type</b>	U.FL-LP serial connector	
	<b>Operating Voltage</b>	3.3V (Typical)	
	<b>Form Factor</b>	miniPCIe	
<b>Mechanical</b>	<b>Interface</b>	PCIe + USB 2.0	
	<b>Dimension</b>	30mm(W) x 4.9mm(H) x 51mm(D) (1.18" x 0.19" x 2.00")	
	<b>Weight</b>	9.8g	
<b>Environment</b>	<b>Operating Temperature Condition</b>	-35°C ~ 75°C	
	<b>Storage Temperature</b>	-40°C ~ 80°C	
<b>Certification</b>	<b>Compliant</b>	CE, FCC, PTCRB, RED	



## Ordering Information

Part Number	Description
EMIO-2573-00A0	4G LTE mobile broadband full size miniPCIe module (North America only)
EMIO-2573-01A0	4G LTE mobile broadband full size miniPCIe module (Europe only)
EMIO-2573-02A0	4G LTE mobile broadband full size miniPCIe module (Japan only)

## Packing List

Items
EMIO-2573 module
4G antenna
4G antenna cable with washer and nut