

IPCI-E-UART-4D

PCIe Card Supports Four 422/485 Ports

Quick Installation Guide

Version 1.00

October 23, 2024

Features

- Support four 422/485 ports
- 128-byte transmit/receive FIFO
- High-speed 16C550/16C650/16C750/16C850 compatible UARTs
- Baud rate supports 115.2K, up to 1.5M
- 4 kV surge and 2 kV electrical isolation protection

Packing List

- 1 x IPCIE-UART-4D PCIe card
- 1 x I/O shielding
- 1 x Round cable
- 1 x QIG (Quick Installation Guide)

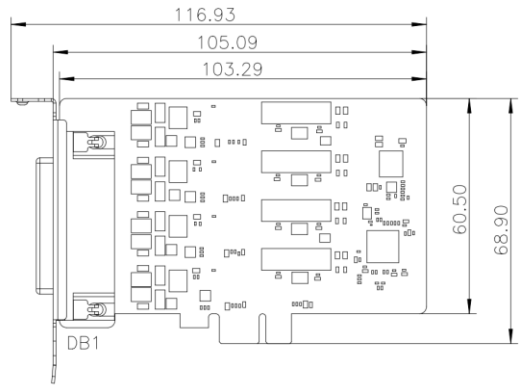
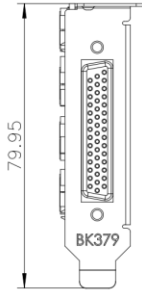
Specifications

Form Factor	PCIe x1 (Gen3)
Chip	Fintek F81504 (PCI Express bridge to quad serial ports)
I/O	4 x RS-422/485 DB-44
Operating Temperature	0°C ~ 60°C
Storage Temperature	-20°C ~ 85°C
Operating Humidity	5% ~ 95%, non-condensing
Dimensions (WxL)	Low-profile height
Net Weight	40g
Safety	CE/FCC compliant

Connector Pinouts

COM1, COM2, COM3, COM4: RS422/485 Connectors (44-pin header)							
COM1		COM2		COM3		COM4	
13	RXD1+	9	RXD2+	5	RXD3+	1	RXD4+
14	TXD1+	10	TXD2+	6	TXD3+	2	TXD4+
15	NC	11	NC	7	NC	3	NC
28	NC	24	NC	20	NC	16	NC
29	RXD1-	25	RXD2-	21	RXD3-	17	RXD4-
30	NC	26	NC	22	NC	18	NC
42	TXD1-	39	TXD2-	35	TXD3-	31	TXD4-
44	ISO1_GND	41	ISO2_GND	37	ISO3_GND	33	ISO4_GND

Dimensions (Unit: mm)



Safety Instructions



Warning! Read the user manual before connecting the system to the power source.

Warning! To prevent the system from overheating, do not operate it in an area that exceeds the maximum operating temperature described in the user manual.

Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.

Support



IEI Support URL

http://new.ieiworld.com/tw/online_support_form

Compliance



This equipment has been tested and found to comply with specifications for CE marking. If the user modifies and/or installs other devices in the equipment, the CE conformity declaration may no longer apply.



This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

-  This device may not cause harmful interference, and
-  This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



According to the requirement of the WEEE legislation the following user information is provided to customers for all branded IEI Electronics products subject to the WEEE directive.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop o- your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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