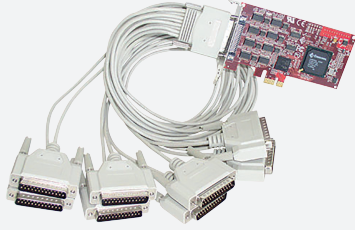


# PCIe multiport serial card

## RocketPort® EXPRESS Octa

### ICRPC-8DB25-FC



- RS-232/422/485 software selectable interfaces
- Device drivers (Windows and Linux)
- x1, x2, x4, x8, x12 or x16 lane PCIe connectivity
- Low-profile or standard-height compatible
- Communications speeds 300 bps to 921 Kbps

PCIe 8-port serial card with DB25 fanout cable

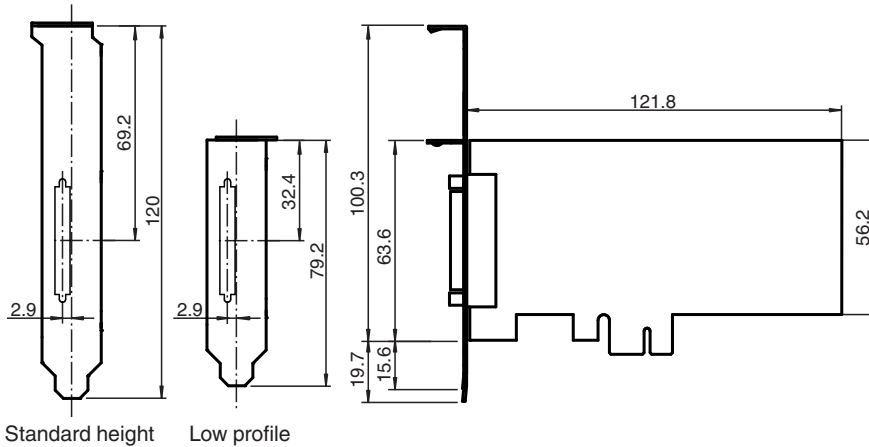


## Function

Flexible, reliable and high-speed serial port expansion. The RocketPort EXPRESS family comprises serial adapter cards compatible with systems supporting x1, x2, x4, x8, x12 or x16 PCI Express expansion slots. Cards are designed for standard and low-profile PCs and servers and ship with a low-profile and a standard-height bracket. All models feature software-selectable RS-232/422/485 serial communication at data transmission speeds up to 921 Kbps. Connection to serial devices are made utilizing RJ45, DB9 or DB25 fan-out cables or DB9 or DB25 interface boxes, depending on the selected model.

## Dimensions

Connector location



## Technical Data

### General specifications

UL File Number E185802

### Functional safety related parameters

MTBF 48.7 a

### Electrical specifications

Power consumption 1.45 W  
 Nominal voltage 3.3 V DC  
 Surge protection 15 KV / 200 A for 1 ns

### Interface

Interface type Software selectable interfaces: RS-232 , RS-422 , RS-485  
 Physical 8 x DB25

Release date: 2024-05-08 Date of issue: 2024-05-08 Filename: 70116482\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

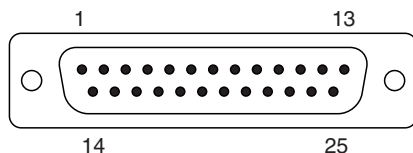
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PF** PEPPERL+FUCHS

## Technical Data

Protocol	Hardware and Software Flow Control Data bits: 5, 6, 7 or 8 Parity: Odd, Even, None, Mark and Space Stop Bits: 1, 1.5 or 2 Receive Buffer: 512 Bytes Transmit Buffer: 512 Bytes
Supported baud rates	300 to 921,6 Kbps
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61000-4-2:2009 EN 61000-4-3:2006+A1:2008+A2:2010 EN 61000-4-4:2012 EN 61000-4-5:2014+A1:2017, IEC 61000-4-5:2014+A1:2017 EN 61000-4-6:2014 EN 61000-4-11:2004+A1:2017
RoHS	EN IEC 63000:2018
<b>Standard conformity</b>	
Electrical safety	CSA C22.2 No. 60950 / UL60950
Emitted interference	EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32
Noise immunity	EN 55035:2017-07
<b>Ambient conditions</b>	
Ambient temperature	0 ... 60 °C (32 ... 140 °F)
Storage temperature	-20 ... 85 °C (-4 ... 185 °F)
Relative humidity	max. 95 % non-condensing
Altitude	0 ... 3048 m
<b>Mechanical specifications</b>	
Mass	725 g
Construction type	Low-profile PCIe or Standard PCIe
Mounting	Low-profile and standard-height bracket for mounting in PCs and servers
Note	Maximum of 4 PC cards can be used per system

## Connection Assignment



Pin	Assignment			
	RS-232	RS-422	RS-485 Full Duplex	RS-485 Half Duplex
1	n.c.	n.c.	n.c.	n.c.
2	TxD	TxD-	TxD-	TRxD-
3	RxD	RxD-	RxD-	n.c.
4	RTS	TxD+	TxD+	TRxD+
5	CTS	RxD+	RxD+	n.c.
6	DSR	n.c.	n.c.	n.c.
7	SIG GND	SIG GND	SIG GND	SIG GND
8	DCD	n.c.	n.c.	n.c.
9 ... 19	n.c.	n.c.	n.c.	n.c.
20	DTR	n.c.	n.c.	n.c.
21	n.c.	n.c.	n.c.	n.c.
22	RI	n.c.	n.c.	n.c.
23 ... 25	n.c.	n.c.	n.c.	n.c.

Release date: 2024-05-08 Date of issue: 2024-05-08 Filename: 70116482\_eng.pdf