

PCIe multiport serial card

RocketPort® EXPRESS Octa RJ45

ICRPC-8RJ45-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 RJ45 fanout cable

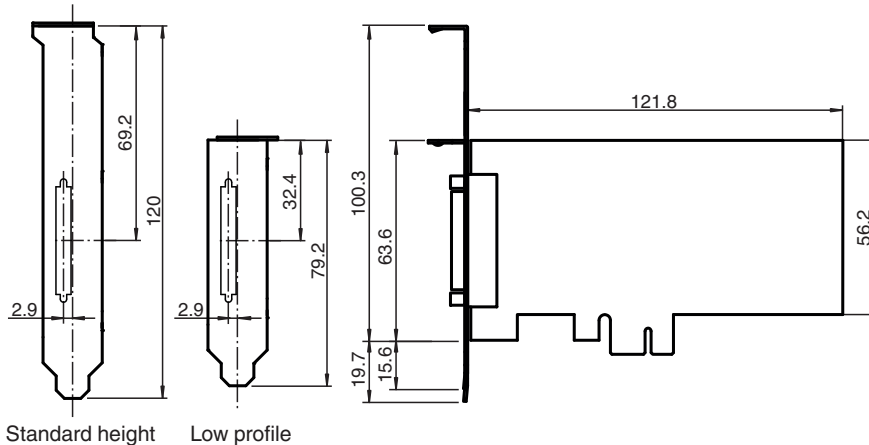


Function

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
Current consumption	910 mA / 3.3 VDC
Surge protection	15 KV / 200 A for 1 ns

Interface

Interface type	Software selectable interfaces: RS-232 , RS-422 , RS-485
----------------	--

Release date: 2024-05-08 Date of issue: 2024-05-08 Filename: 70116483_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

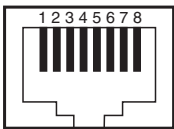
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Physical	8 x RJ45	
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	
Directive conformity		
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	
Standard conformity		
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	
Ambient conditions		
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
Mechanical specifications		
Mass		250 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	RTS	TxD+	TxD+	TxD/RxD
2	DTR	n.c.	n.c.	n.c.
3	SIG GND	SIG GND	SIG GND	SIG GND
4	TxD	TxD-	TxD-	TxD/RxD
5	RxD	RxD-	RxD-	n.c.
6	DCD	n.c.	n.c.	n.c.
7	DSR	n.c.	n.c.	n.c.
8	CTS	RxD+	RxD+	n.c.

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