

PCIe multiport serial card

RocketPort® EXPRESS

ICRPC-8P

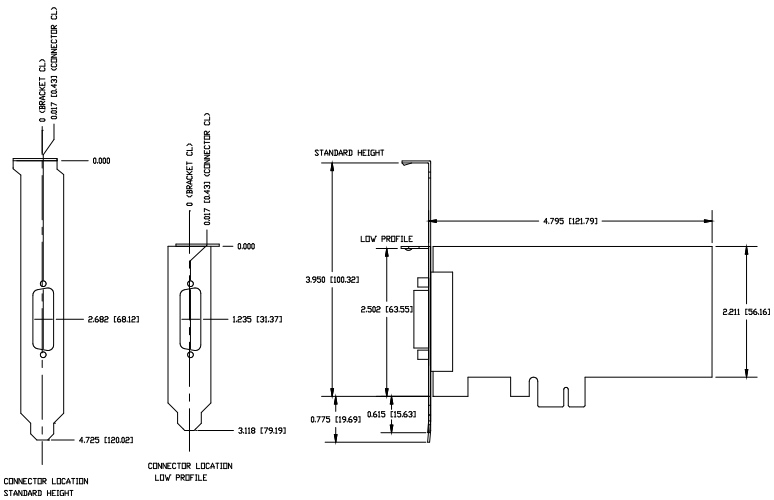
- RS-232/422/485 software selectable interfaces
- Device drivers (Windows and Linux)
- Communications speeds 300 bps to 460 Kbps
- Low-profile or standard-height compatible
- x1, x2, x4, x8, x12 or x16 lane PCIe connectivity
- Low-latency communication supporting the widest variety of applications
- Requires breakout box, see "Related products"

PCIe 8-port serial card

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



Technical Data

General specifications		
UL File Number		E185802
Functional safety related parameters		
MTBF		190.2 a
Electrical specifications		
Power consumption		2.19 W
Nominal voltage	U_N	3.3 V DC or 12 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

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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 460 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 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		249.5 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

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