

PCI Multiple Ultra High Speed Serial Communications **ROCKETPORT**

Registered
ISO 9001
Company

- **460.8Kbaud full duplex across 32 ports simultaneously on a single controller**
- **Up to four controllers in one PC**
- **36MHz processor for each of its eight ports**
- **Only one I/O address to select, IRQ's easily changed via the device driver**
- **Key implementation of communication software functions such as flow control and line disciplines in the ASIC firmware**

RocketPort controllers enable you to take advantage of trouble free serial communications with high data speeds across a large number of ports with easy installation and excellent support.

Industry leading performance can be obtained from RocketPort controllers. They give up to 460.8Kbaud full duplex data rates across 32 ports simultaneously on a single controller. With up to 4 controllers in any one PC and virtually no drop off in performance as the number of ports increases large amounts of data can be transferred effortlessly.

Installation in minutes is a key feature of RocketPort controllers. There is only one I/O address to select, IRQ's can be easily changed via the device driver and RS-232/RS-422 is selected on each port on the interface using an external switch.

Powerful ASIC based architecture is used to give the RocketPort controllers their high performance. To maximise throughput, RocketPort has a 36 MHz processor for each of its eight ports. These ASICs replace virtually all major hardware components, including the processor, bus interface logic and other miscellaneous logic. ASIC integration reduces the number of components giving a much greater reliability.

I/O processing speed is enhanced by implementing key communication software functions such as flow control and line disciplines in the ASIC firmware. With this approach not only is the serial I/O speed increased but the utilisation of CPU on the PC is also kept to a minimum.



RocketPort controllers are used in a very wide range of circumstances where its technical lead over others often means that it is the obvious choice.

Applications include internet service provision, retail point of sale, security systems, factory floor and office automation, office automation, environmental control systems and satellite links

SPECIFICATION

No. of I/O Ports	4, 8, 16 or 32 depending on model
Data bits	7 or 8
Stop bits	1 or 2
Speed	50-460.8KB depending on hardware configuration and RocketPort model
Number of RocketPort controllers/system 4	
Current consumption	
PCI 8	+5VDC @ 940mA, +12VDC @ 110mA, -12VDC @ 160mA
PCI 16	+5VDC @ 600mA, +12VDC @ 220mA, -12VDC @ 320mA
4 port Quadcable	+5VDC @ 410mA, +12VDC @ 100mA, -12VDC @ 160mA
8 port Octacable	+5VDC @ 440mA, +12VDC @ 100mA, -12VDC @ 160mA
Surge protection	EIA-232E and ESD exceeding 10KV
Compliance	CE EMC

DESCRIPTION	PRODUCT CODE
PCI 8 8 ports PCI controller (requires interface)	909 762 34
PCI 16 16 ports PCI controller (requires interface)	909 762 35
PCI 32 32 ports PCI controller (requires 2x interface)	909 762 36
Interface 8/DB25 RS-232/422	
8 ports-DB25 female	909 762 38
Interface 16/DB25 RS-232/422	
16 ports-DB25 female	909 762 39
PCI 4/DB25 Quadcable	
4 ports w/RS232 fan-out cable DB25 male	909 762 29
PCI 8/DB25 Octacable	
8 ports w/RS232 fan-out cable DB25 male	909 762 30
PCI 4/DB9 Quadcable	
4 ports w/RS232 fan-out cable DB9 male	909 762 31
PCI 8/DB9 Octacable	
8 ports w/RS232 fan-out cable DB9 male	909 762 32
PCI 8/RJ45 Octacable	
8 ports w/RS232 fan-out cable RJ45 male	909 762 33
Rack Mounted RS-232	
16 ports-RJ45 connectors	909 762 40