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TECHNOLOGY GROUP

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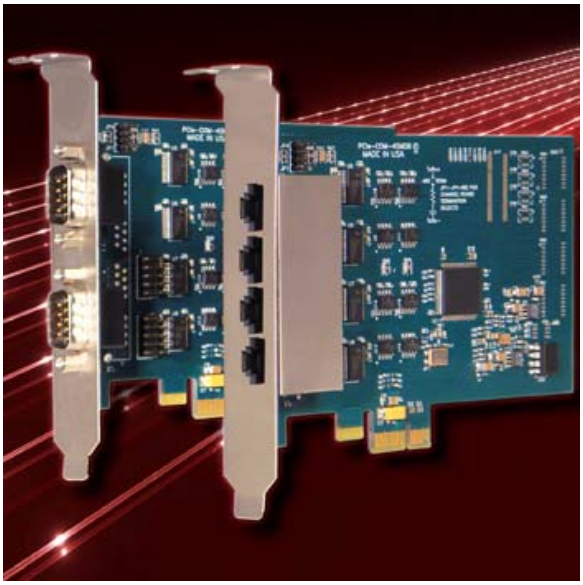
Find the *Acces PCIe-COM-2SDB* at our website: ***Click HERE***

PCIe-COM-4SMDB and RJ Family

PCI Express 4 and 2-Port RS-232/422/485 Serial Communication Cards

FEATURES

- Four and two-port PCI Express serial communication cards with on board DB9M or RJ45 connectivity
- Serial protocol (RS-232/422/485*) SOFTWARE CONFIGURED* per port, stored in EEPROM for auto-configure at next boot
- High performance 16C950 class UARTs with 128-byte FIFO for each transmit and receive buffer
- Supports data communication speeds up to 3Mbps (standard model RS-232 is 460.8kbps)
- +/-15kV ESD protection on all signal pins
- Supports 9-bit data mode
- Full modem control signals in RS-232 mode
- Software compatible with all operating systems
- Selectable termination for RS-485 applications



FACTORY OPTIONS

- Extended temperature operation (-40°C to +85°C)
- Also available in 485/422 only versions
- High-speed RS-232 version up to 921.6kbps
- RoHS compliant version
- Remote wake-up enable

FUNCTIONAL DESCRIPTION

ACCES I/O's PCI Express multi-port multi-protocol serial communication cards deliver four (PCIe-COM-4SMDB, PCIe-COM-4SMRJ) or two (PCIe-COM-2SMDB, PCIe-COM-2SMRJ), high-speed serial communication ports for use in a wide variety of applications. The cards were designed to offer serial compatibility with the PCI Express bus and to be used by system integrators and manufacturers in the design of industrial and commercial systems. Each COM port is capable of supporting data rates up to 3Mbps and implements full modem control signals in RS-232 mode to ensure compatibility with a broad variety of serial devices.

Perfect for existing serial peripherals to connect directly to the industry standard pin-out of the DB9M connectors or via a RJ45 connector. The card features a x1 lane PCI Express connector which can be used in any available x1, x2, x4, x8, x12, or x16 PCI Express expansion slot.

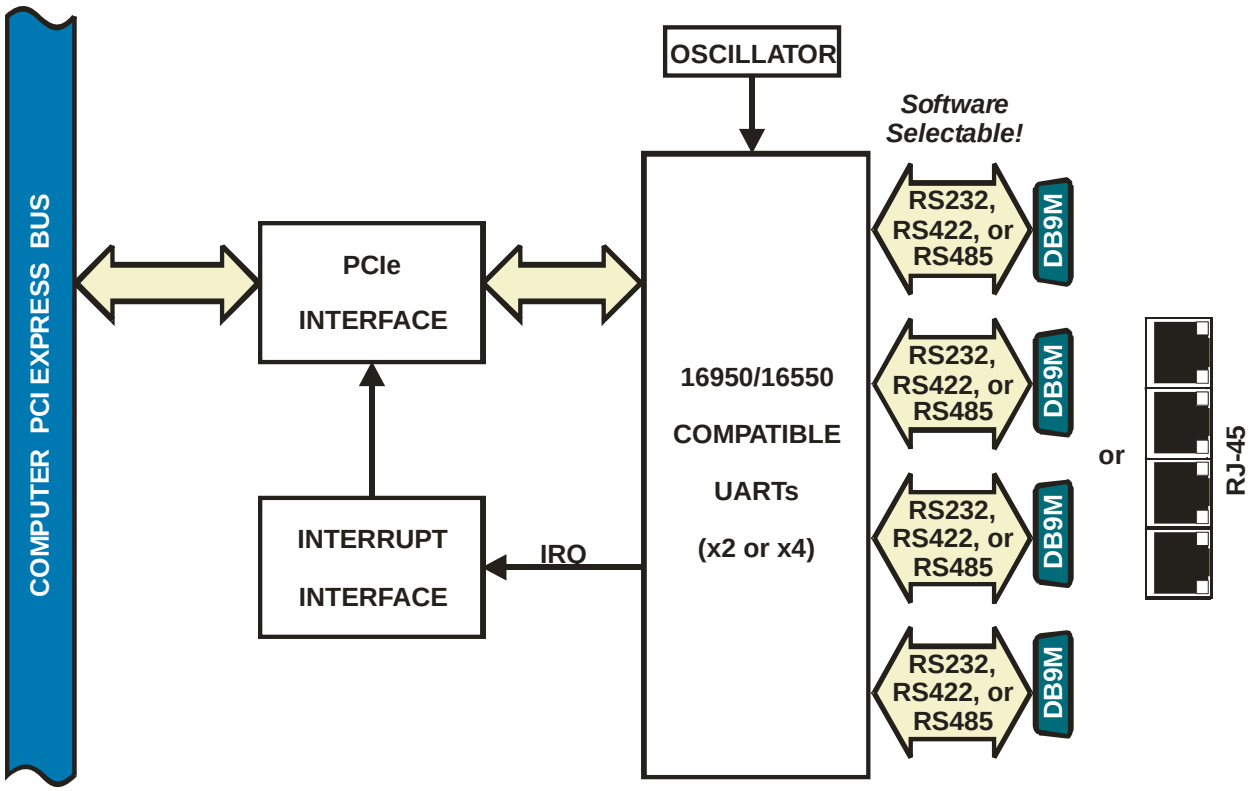
Available accessories include a broad range of cables, screw terminal boards and breakout connection boxes for a variety of quick and easy connectivity options.

SPECIAL ORDER

Please contact ACCES with your precise requirement. Examples of special orders would be conformal coating, custom software, etc., we will work with you to provide exactly what is required.

SOFTWARE

A complete driver support package is provided including an easy-to-use Windows terminal program for testing your COM ports. This simplifies the verification of proper COM port operation. The card installs as standard COM ports in all operating systems including DOS, Linux (including Mac OS X) and 32-bit and 64-bit Windows.



BLOCK DIAGRAM

SPECIFICATIONS

Asynchronous Communications Interface

I/O connection:	DB9 or RJ45	
Serial ports:	4 (or 2)	RS-232/422/485
Serial data rates:	RS-232	460.8k (921.6k avail)
	RS-422/485	3Mbps
UART:	Quad type 16C950 with 128-byte transmit & receive FIFO, 16C550 compliant	
ESD Protection:	±15kV on all signal pins	
Character length:	5, 6, 7, 8, or 9 bits	
Parity:	Even, Odd, None, Space, Mark	
Stop interval:	1, 1.5, or 2 bits	
Flow Control:	RTS/CTS and/or DSR/DTR, Xon/Xoff	

Environmental

Operating temperature:	Commercial:	0°C to +70°C
	Industrial:	-40°C to +85°C
Storage temperature:	-65°C to +150°C	
Humidity:	5% to 95%, non-condensing	
Power required:	+3.3VDC @ 0.8W (typical)	
Size:	4.722“ long x 3.375” high (120 mm long x 85.725 mm high)	

ORDERING GUIDE

PCIe-COM-4SMDB*	PCI Express four-port RS-232/422/485
PCIe-COM-4SMRJ	PCI Express four-port RS-232/422/485
PCIe-COM-4SDB*	PCI Express four-port RS-422/485
PCIe-COM-4SRJ	PCI Express four-port RS-422/485
PCIe-COM232-4DB*	PCI Express four-port RS-232
PCIe-COM232-4RJ	PCI Express four-port RS-232
PCIe-COM-2SMDB	PCI Express two-port RS-232/422/485
PCIe-COM-2SMRJ	PCI Express two-port RS-232/422/485
PCIe-COM-2SDB	PCI Express two-port RS-422/485
PCIe-COM-2SRJ	PCI Express two-port RS-422/485
PCIe-COM232-2DB	PCI Express two-port RS-232
PCIe-COM232-2RJ	PCI Express two-port RS-232

DB = DB9M connectivity
RJ = RJ45 connectivity

***** Four-port DB models require the use of an additional mounting bracket provided.

Model Options

-F	Fast version (RS-232 up to 921.6kbps)
-T	Extended temp. operation (-40° to +85°C)
-RoHS	RoHS compliant version
-W	Remote wake-up enable

Accessories

ADAP9	Screw terminal adaptor (single DB9 female to 9 screw terminals)
ADAP9-2	Screw terminal adaptor (dual DB9 female to 18 screw terminals)

ACCES I/O PRODUCTS, INC.

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