ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

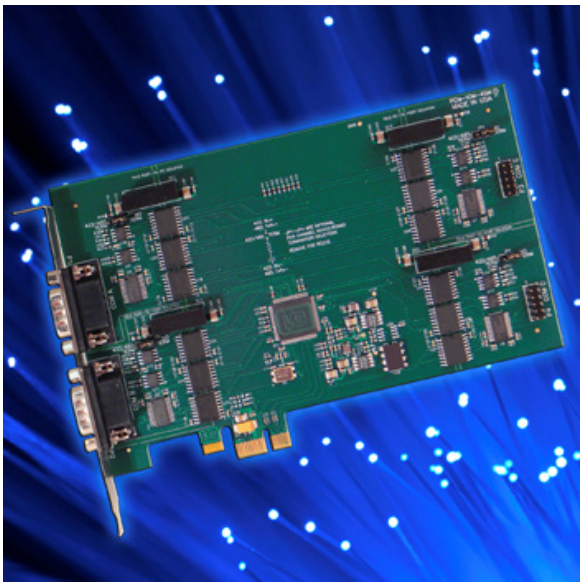
Find the *Acces PCIe-ICM232-2* at our website: ***Click HERE***

PCIe-ICM Family

Isolated RS-232/422/485 Serial Communication Cards

FEATURES

- Four and two-port PCI Express serial communication cards with DB9M connectivity
- 2000V isolation port-to-port and port to computer on ALL signals
- 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)
- Virtually any custom baud rate may be configured by the user via register settings, no custom oscillator needed
- +/-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 RS422 or 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
- Remote Wake-Up Enable
- RoHS compliant version

FUNCTIONAL DESCRIPTION

ACCES I/O's PCI Express multi-protocol isolated serial communication cards deliver four (PCIe-ICM-4SM, PCIe-ICM-4S, PCIe-ICM232-4) or two (PCIe-ICM-2SM, PCIe-ICM-2S, PCIe-ICM232-2), high-speed serial communication ports for use in a wide variety of applications. The card was 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 isolated 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. All communication signals are isolated from port to port and port to computer.

Perfect for existing serial peripherals to connect directly to the industry standard pin-out of the DB9M connectors. 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.

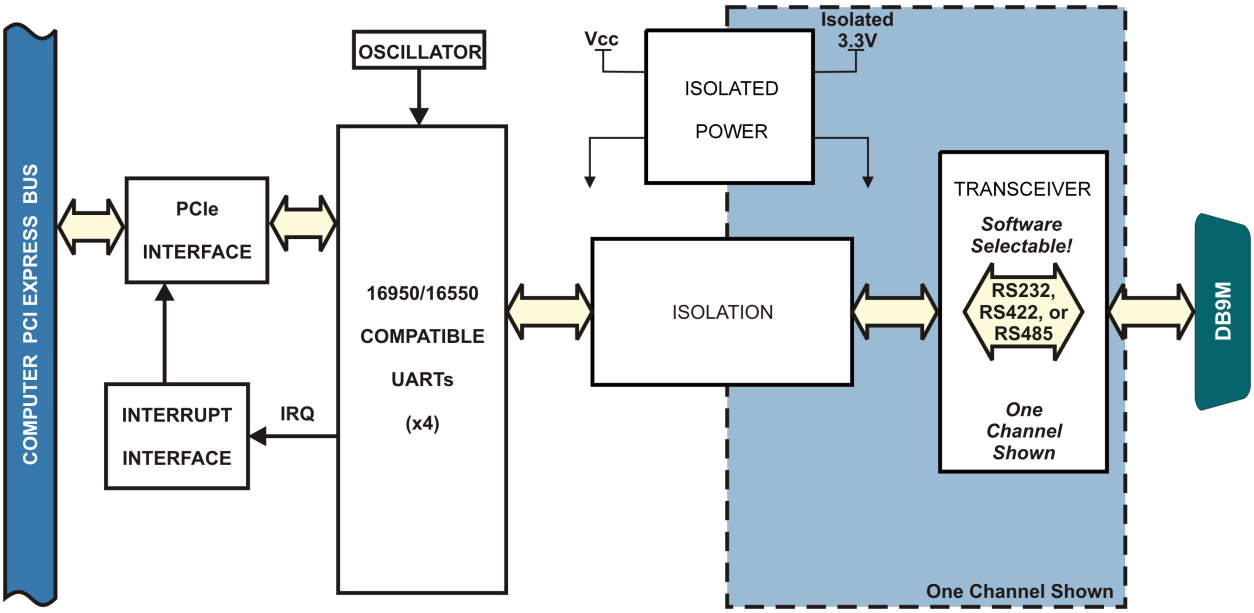
Available accessories include a broad range of cables, screw terminal boards and breakout connection boxes for a variety of quick and easy connectivity options.

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
Serial ports:	4 (or 2) RS-232/422/485
Isolation:	2000V port to port, port to computer
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 temp.:	Commercial 0°C to +70°C Industrial -40°C to +85°C
Storage temp.:	-65°C to +150°C
Humidity:	5% to 95%, non-condensing
Power required:	+3.3VDC @ 0.8W (typical) +12VDC @ 0.9W (typical)
Size:	6.6“ long x 4.2” high (167.65 mm x 106.68 mm)

ORDERING GUIDE

PCIe-ICM-4SM*	PCI Express four-port RS-232/422/485
PCIe-ICM-4S*	PCI Express four-port RS-422/485
PCIe-ICM232-4*	PCI Express four-port RS-232
PCIe-ICM-2SM	PCI Express two-port RS-232/422/485
PCIe-ICM-2S	PCI Express two-port RS-422/485
PCIe-ICM232-2	PCI Express two-port RS-232

***Four-port models require the use of an additional mounting bracket which is 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.

10623 Roselle Street, San Diego, CA 92121 • (858) 550-9559 • Fax (858) 550-7322 • contactus@accesio.com • www.accesio.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP