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Embedded board has four CANbus channels and eight serial ports

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Advanced Micro Peripherals' new CAN4000-8S provides four independent, fully isolated CANbus channels and eight non-isolated RS-422/485 serial ports on an industry standard PC/104-*Plus* card. This compact, rugged and low power multi-communications controller consumes less than 2W from a single +5V supply, and has an extended temperature option.

The four independent full-duplex channels are driven by SJA1000 CAN 2.0B controllers, providing basic and extended (Pelican) mode support. Each channel includes a fully isolated CANbus transceiver powered from an external +5V supply.



The CAN4000-8S's eight serial channels support either RS-422 full duplex or RS-485 half duplex communications standards. Each channel supports baud rates to 10Mbps and has jumper selectable termination resistors.

The CAN4000-8S serves as a universal PC/104-*Plus* add-in card with a 3.3V host interface (with 5V tolerance) to the host computer. Windows-2000, XP, XP-E and Linux operating systems are supported.

The CAN4000-8S is ideal for telematics, industrial, defense, aerospace, security and similar demanding embedded applications.

About Advanced Micro Peripherals (www.amp-usa.com)

Advanced Micro Peripherals is a leading manufacturer of embedded video solutions - offering the latest MPEG-4 / H.264 codecs and video overlay / annotation technologies on a wide range of embedded board form factors including PC/104-*Plus*, CompactPCI, PCI and miniPCI modules. Founded in 1993, AMP is focused on rugged, long-life embedded board products and supporting software development kits for video capture, annotation, display and recording. From its design center near Cambridge (UK), AMP also offers Design Services to meet the needs of specialized customer requirements.

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