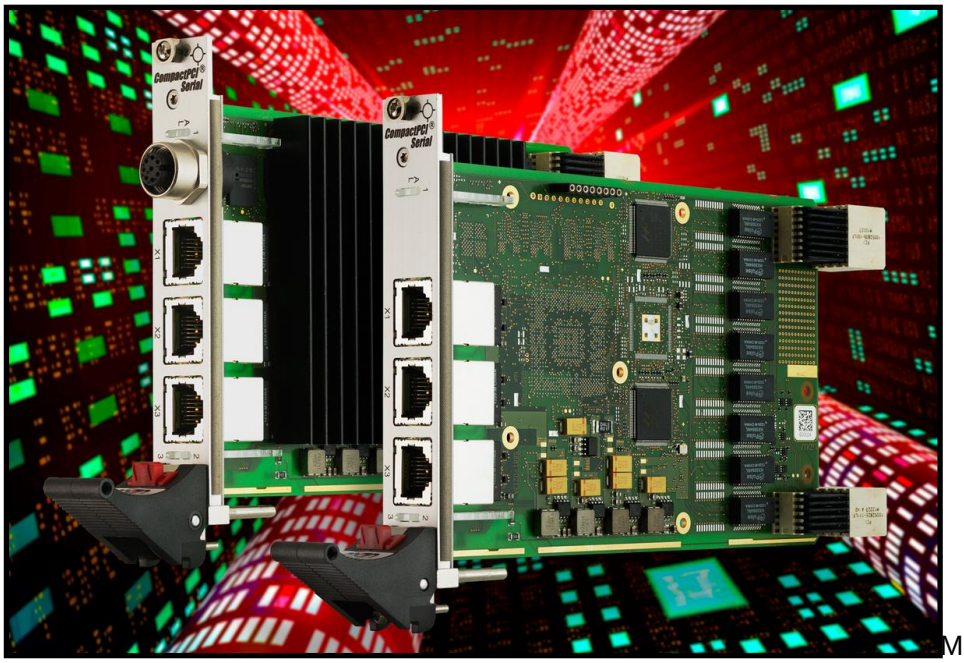
GigE Switches Fit CompactPCI Serial Applications



MEN Micro Inc. now offer two 3U CompactPCI Serial-based Gigabit Ethernet switches for high data processing and versatile I/O implementations. Each switch provides up to 16 Gigabit Ethernet ports on the back or three ports on the front panel and 13 on the rear.

Both the managed G302 and the unmanaged G303 switches support full or half duplex operation, fast non-blocking store-and-forward switching and auto-negotiation as well as Layer 2 switching.

Compliant to EN 50155 for railway operation, the new switches are ideal for use in rugged applications. Operating temperature is -40°C to +85°C with shock and vibration tested in accordance with EN 61373. The built-in test mechanism increases the switches' reliability in communication-based operations.

The switches' CompactPCI Serial architecture provides flexible integration into any rugged system. In a peripheral slot, the G302 and G303 can take over typical tasks for connecting external devices without any software overhead. When used in the system slot, these full-mesh switches foster powerful multi-computer architectures, where CPU cards are plugged into the peripheral slots.

The fault-tolerant G302 has the ability to restore itself. If a link is temporary unavailable, frames can be sent via backup or redundant links, eliminating data loss.

The G303 can function similar to a managed switch with fixed settings via an application-specific configuration EEPROM. This allows the switch to offer features atypical of an unmanaged switch, including 802.1p priority and port-based priority, port-based VLAN or IEEE 802.1q VLAN IDs.

Pricing for the G302 starts at $810 USD; pricing for the G303 starts at $538 USD. Delivery is six to eight weeks ARO.

For additional information, visit http://menmicro.com/products/02G302-.html [1]

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