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Fully-managed 10 GigE Switches from ACT/Technico Provide IP Carrier Class Routing on 6U CompactPCI, VME and VPX platforms



FREMONT, Calif., May 2009 –Elma Electronic Inc.'s Systems group now offers a fully-managed IPv4/IPv6 T4300a 10 Gigabit Ethernet (GigE) switches with features as powerful as those of an IP Carrier Class Router.

The T4300 family of switches supports jumbo frames, full-wire speed Layer 2 bridging as well as Layer 3 Unicast and Multicast engine forwarding, all running at full data rate. In addition, the switch supports Layer 2 through Layer 4 advanced traffic classification, filtering and prioritization. This makes them ideal for data security services that require strict priority data trafficking as found in time-sensitive or critical applications.

Designed for demanding networking applications and built on the latest generation of Marvell's Prestera GigE packet processors, the new family of Gigabit Ethernet switches ranges from 24 to 28 ports, up to four of which can be 10 Gigabit. The automatic MAC address management, auto-negotiation, auto-polarity and auto-crossover on each port make the T4300 family truly plug-and-play. The T4300 family provides a routing capacity of 125 million packets per second (Mpps).

The switches easily fit in standard 6U CompactPCI systems, comply with the PICMG 2.16 standard and come in standard, extended and conduction-cooled grades. VME and VPX versions, compliant with VITA standards 31.1 and 46.20 respectively, of the T4300 switches will also be available.

An on-board, high-performance PowerQUICCIII processor handles all the management functions and the protocol processing, including L3 routing and setup, and additional L4 services. The proven on-board Switchware software easily manages all the traffic routing and packet processing. The entire system can be monitored from a browser, SNMP or CLI. Some additional functions are provided including configuration of all PHY and switch parameters, port monitoring, static MAC addresses, VLAN control and statistical counter.

The switches are fully compatible with other Ethernet switches, including the T4000a, T4020a, T4030a, T4050a versions.

For more information, please visit [Elma's Embedded Computing site](http://www.elma.com), e-mail sales@elma.com, or call (510) 656-3400.

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