

VersaLogic announces EPIC format “Newt” SBC with Vortex86DX processor



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Sarsen Technology is pleased to announce that VersaLogic Corp., the Oregon-based US embedded computer company, are releasing the Newt, an economical EPIC™ format single board computer (SBC) featuring extensive I/O capabilities, very low power consumption, and fanless operation over the full industrial temperature range.

The Newt board leverages DMP's Vortex86DX System on Chip (SoC). It offers 800 MHz performance, full industrial temperature (-40° to +85°C) operation, and very low power requirements. Based on the industry-standard EPIC form factor (4.5 x 6.5 inches), this SBC is an excellent solution for industrial and medical applications with substantial I/O requirements. The Newt is designed for headless applications (no video output), or it may be used with plug-in video expansion modules.

“The Newt was designed as a full-featured SBC for embedded environments requiring low power consumption and passive cooling,” said Len Crane, President of VersaLogic. “The Newt delivers extensive on-board I/O capabilities with 800 MHz performance and only 3.6W typical power draw on a fanless, industry-standard EPIC form factor.”

The Newt features built-in data acquisition ports including sixteen analog inputs, up to eight analog outputs, and thirty-two digital I/O lines. Basic on-board I/O includes single or dual Ethernet with network boot capability, up to 1 GB soldered-on DDR2 RAM, up to four USB ports, four serial ports, IDE controller with support for two devices, CompactFlash® socket or eUSB interface (optional) for removable flash storage, and three general purpose timers. An industry-standard PC/104-Plus™ expansion site provides plug-in access to a wide variety of expansion modules from numerous vendors. The SPX expansion interface provides additional plug-in expansion for low-cost analog, digital, and CANbus I/O.

Designed for full industrial temperature (-40° to +85°C) operation, the rugged Newt boards meet MIL-STD-202G specifications for mechanical shock and vibration. Optional latching Ethernet connectors provide additional ruggedisation for use in extremely harsh environments. Transient voltage suppression (TVS) devices on critical I/O ports provide enhanced electrostatic discharge (ESD) protection for the system.

The Newt features an American Megatrends (AMI) BIOS with OEM enhancements. The field-reprogrammable BIOS supports custom defaults, remote/network booting, and other application functions. Newt is compatible with a variety of popular x86 operating systems including Windows, Windows Embedded, Linux, VxWorks, and QNX.

This new product is RoHS compliant, manufactured to IPC-A-610 Class 2 standards, and includes VersaLogic's 5+ year production life guarantee. The Newt is customizable, even in low OEM quantities. Customization options include soldered-on RAM capacity (128 MB to 1 GB), CompactFlash and/or eUSB flash memory interface, standard RJ45 or latching Ethernet connectors, optional on-board I/O (USB, A/D, D/A, DIO, Ethernet, etc.), bolt-on heat plate, conformal coating, revision locks, custom labelling, customized testing and screening, etc.

The Newt SBC is available now. For additional information contact VersaLogic's representative for the UK & Ireland, **Sarsen Technology Limited** on +44 1672 511166, or email info@sarsen.net

About VersaLogic Corporation

A leading supplier of industrial computers since 1976, VersaLogic focuses on high-quality board-level products for embedded OEM applications. Its five year product availability guarantee and outstanding warranties demonstrate a commitment to service. Product platforms include EBX™, PC/104™, PC/104-Plus, PCI-104™, EPIC, SUMIT™, and SPX™. VersaLogic received ISO 9001:2008 certification in 2009 and was one of the first companies in North America to be registered to the 2008 revision of the standard. For five consecutive years, VersaLogic has received the coveted “Platinum” level vendor rating based on independent user surveys by technology research firm VDC Research Group, Inc. For more information, visit www.VersaLogic.com.

About Sarsen Technology Limited

Sarsen Technology is VersaLogic's representative in the UK & Ireland. Sarsen's focus is on providing its customers with the very best in embedded digital signal processing, data acquisition and single board computer products and provides full local technical and commercial support. The company's mission is to bring high technology solutions to market in the shortest possible time to the benefit of both customers and manufacturers represented in the UK and Europe. Please visit www.sarsen.net or call +44 1672 511166 for more details.