

FOR IMMEDIATE RELEASE

VersaLogic is now shipping the “Fox”—a Low-power PC/104-Plus embedded computer

Tualatin, OR – February 22, 2016 – VersaLogic Corp., a US -based embedded computer company, is now shipping the “Fox”—a rugged PC/104-Plus™ single board computer (SBC). It features the compactness of the PC/104 form-factor, and the compatibility of the classic PC/104-Plus expansion interface—with ISA and PCI bus expansion. It also features extensive I/O capabilities, low power consumption, and fanless operation over the full industrial temperature range.

The Fox SBC leverages DMP’s Vortex86DX2 System on Chip. It offers full industrial temperature (-40° to +85°C) operation, and low power requirements (5.3 Watts). Based on the industry-standard PC/104 form factor (4.2 x 3.8 inches), it is an excellent solution for industrial and medical applications that need the compatibility of a PC/104-Plus expansion solution, robust on-board I/O, and moderate processing power.

“The Fox is a full-featured SBC for low power embedded environments that require passive cooling,” said Gary Harris, Director of Technology at VersaLogic. “The Fox delivers mid-range performance and lower power draw along with industry-standard PC/104-Plus compatibility. The traditional ISA and PCI expansion connectors are important to many PC/104 users who need to upgrade their systems without changing their expansion modules.”

The on-board I/O includes dual Ethernet with network boot capability, up to 1 GB soldered-on DDR2 RAM, four USB ports, four serial ports, a microSD socket for removable flash storage, a SATA interface that supports high-capacity rotating or solid-state drives, and three general purpose timers. Simultaneous video displays are available from the Fox’s LVDS and analog VGA outputs.

Extensive Expansion Options

An industry-standard PC/104-Plus expansion site provides plug-in access to the traditional ISA and PCI interfaces, for compatibility with a wide variety of expansion modules from numerous vendors.

Systems can also be expanded using the Fox’s on-board Mini PCIe expansion socket which supports plug-in FireWire, Wi-Fi modems, GPS receivers, MIL-STD-1553, Ethernet, Analog, and other mini cards. The Mini PCIe socket includes mSATA capability to support solid-state drive (SSD) options as well.

An SPI/SPX expansion interface provides additional plug-in expansion for low-cost analog and digital I/O.

For Extreme Environments

Designed for full industrial temperature (-40° to +85°C) operation, the rugged Fox boards also meet MIL-STD-202G specifications for mechanical shock and vibration. Latching connectors provide additional ruggedization for use in harsh environments. Transient voltage suppression (TVS) devices on critical I/O ports provide enhanced electrostatic discharge (ESD) protection for the system. Designed and tested to withstand extreme temperatures, high-impact, and vibration, Fox features no moving parts and soldered-on RAM. This single board computer is an ideal choice for applications that require a rugged, high reliability product.

Software Support

The Fox is compatible with most x86 operating systems. For Linux operating systems Fox’s on-board I/O functions are supported by VersaAPI. The VersaAPI Application Programming Interface (API) simplifies software access to the on-board I/O devices. Supported devices include analog input, digital I/O, and timer/counters.



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Long-term Availability

The Fox is covered by VersaLogic's 5-year product warranty and 5+ year availability guarantee. VersaLogic's Product Life Extension programs typically keep each technology generation available for 10+ years.

Product customization services are available, even in low OEM quantities. Customization options include conformal coating, revision locks, custom labeling, customized testing and screening, and more.

Pricing and Availability

Both the commercial (0° to +60°C) and industrial (-40° to +85°C) temperature Fox products are now in stock at both VersaLogic Corp. and Digi-Key Corp. Pricing starts at \$569 in OEM quantities. Contact Sales@VersaLogic.com or visit www.VersaLogic.com/Fox or www.DigiKey.com for more information.

About VersaLogic Corporation

VersaLogic Corp. built its reputation on very high reliability products and superior service. A 35-year history of consistency has earned VersaLogic the reputation of being the industry's most trusted embedded computer company. VersaLogic delivers state-of-the-art embedded computers, coupled with expert technical support, for critical markets such as the medical and defense industries. For more information, visit www.VersaLogic.com.

Press Release Photos

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