



Company:
VersaLogic Corporation

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FOR IMMEDIATE RELEASE

New Arm-based embedded computers!

Tualatin, OR — February 27, 2018 — VersaLogic Corporation announces a new line of production-ready, Arm-based embedded computers starting with the Tetra. The Tetra is a power-efficient, quad-core Single Board Computer (SBC).

Featuring a quad-core i.MX6 Cortex®-A9 32-bit processor, a Tetra typically consumes about 4W of power when operating (not idle). It is ready for off-the-shelf deployment into demanding industrial applications requiring rugged, long-life, power-efficient, industrial temperature rated (-40° to +85°C) solutions.

Unlike many Arm-based “modules,” VersaLogic’s new line of Arm-based EPC (Embedded Processing Card) products are complete board-level computers. They do not require carrier cards, companion boards, connector break-out boards, or other add-ons to function.

For ease of mounting, and future upgrades, VersaLogic’s Arm products are designed around the size and mounting points of COM Express products. Unlike proprietary-format Arm products, VersaLogic Arm boards provide a standardized mounting pattern now, and simplified upgrading in the future.

The Tetra is COM Express Basic size (125 x 95 mm) and offers a variety of I/O options for rugged, industrial applications. The three quad-core Tetra models feature a wide (8 to 17-volt) power input, making it ideal for 12-volt automotive applications.

Many applications that require lower power or lower heat dissipation still need very high levels of reliability. VersaLogic’s 10+ year formal life-extension program ensures long production cycles free from expensive changes and upgrades that come from short, disposable lifecycles.

On-board I/O

A variety of on-board I/O includes a Gigabit Ethernet port with network boot capability, HDMI and LVDS video outputs, and two USB 2.0 Ports. Serial I/O (RS-232) and a SATA II interface or mSATA, support high-capacity rotating or solid-state drives.

CAN Bus, I2C and SPI are also included along with a 6-axis e-compass, and MIPI camera input. The on-board Mini PCIe socket provides flexible expansion using plug-in Wi-Fi modems, GPS receivers, Ethernet, Firewire, and other mini cards.

Industrial Tough

Designed and tested for Industrial temperature (-40° to +85°C) operation, VersaLogic’s rugged Tetra meets MIL-STD 202G specifications to withstand high impact and vibration. It is engineered and validated to excel in unforgiving environments. Each component is carefully selected to ensure reliable operation in the field.

With decades of embedded design experience, VersaLogic understands how to design in quality and reliability. U.S.-based technical support includes comprehensive assistance during project development.

The Tetra, part number VL-EPC-2700, is in stock at both VersaLogic Corp. and Digi-Key Corp. OEM quantity pricing starts at \$318. Contact Sales@VersaLogic.com or visit VersaLogic.com/Tetra or Digikey.com for more information.

About VersaLogic Corporation

VersaLogic delivers state-of-the-art embedded computers, coupled with expert technical support, for critical markets such as medical and defense. Featuring 10+ year availability, -40° to +85°C operation, Mil Spec 202G shock and vibration testing, and outstanding US-based support, VersaLogic products are ideal for critical applications that value ruggedness, reliability and long life. A 40 plus-year history of consistency has earned VersaLogic the reputation of being “the industry’s most trusted embedded computer company.” For more information, visit VersaLogic.com.

Press Release Photos

High resolution: https://www.versalogic.com/images/PR_EPC-2700_HI.jpg

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