VersaViewer

A real-time viewer for embedded hardware developers

- On-screen viewing of system input signals, including digital and analog signal levels
- On-screen setting of system output signals, including digital and analog signal levels
- Displays or sets the following signals on most VersaLogic embedded computers:

I2C Bus	**CPU and Board Temperature**	**Fan Speed**	**LVDS Backlight**
Digital I/O pins	**A/D and D/A pins**	**8254 Timers**	**Watchdog Timer**

Overview

VersaViewer is a useful software tool for embedded hardware bring-up, bench testing, and I/O verification and debugging. It provides a real-time look at system I/O signal levels at any point in the development process.

The VersaViewer software allows the user to instantly view the status of the digital and analog input signals on most VersaLogic embedded computer products. It also allows various output signals, both digital and analog, to be set to a desired value using the built-in graphical interface.

VersaViewer leverages the VersaAPI (Application Program Interface) for reading and writing to system I/O ports. This makes VersaViewer a useful tool for designing and debugging software that calls VersaAPI to access I/O ports. VersaAPI call syntax is noted on the screen for each I/O port on the board.

Contact VersaLogic Sales Department for ordering or more information: Email Sales@VersaLogic.com or call (503) 747-2261.

Ordering Information

Model	Function
VL-DEV-USB-VV1	VersaViewer Software Application provided on a bootable USB stick.

Supported VersaLogic Products

Part Number	Description
VL-EPMe-30	Atom "Bay Trail" based SBC with PCIe/104 OneBank Expansion, Trusted Platform Module (TPM)
VL-EPM-31	Atom "Bay Trail" based SBC with PC/104-Plus expansion, TPM
VL-EPMe-42	PCIe/104 OneBank SBC with Intel "Kaby Lake" processor, TPM
VL-EPM-43	PC/104-Plus SBC with Intel "Kaby Lake" processor, TPM
VL-EBX-38	Atom "Bay Trail" EBX form-factor SBC — single-, dual-, and quad-core, TPM, USB 3.0, 16 GB Max Memory
VL-EPU-3311	Embedded Processing Unit (EPU), Atom "Bay Trail" based — Dual Mini PCIe Sockets, TPM
VL-EPU-3312	Atom "Bay Trail" based EPU, TPM
VL-EPU-4460	Compact EPU based on Intel "Skylake" processor, TPM
VL-EPU-4462/4562	High-Performance EPU with Intel "Skylake" processor, TPM
VL-MPEe-A1E	Analog input. Eight channel. 12-bit resolution. Industrial temperature
VL-MPEe-A2E	Analog input. Eight channel. 16-bit resolution. Industrial temperature
VL-MPEe-U2	Four serial ports. Twelve GPIO lines. Industrial temperature
VL-SPX-2	SPX expansion module with 16 lines of digital I/O. Industrial temperature

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