

## July Addendum to the 2008 State of the VME Technology Industry

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VME Technology has an indispensable place in the design of critical embedded systems. These are the systems that must be able in many dimensions, including: dependable, supp...



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### Products

## Editor's CHOICE

Don  
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### Pint-sized powerhouse

LocoLabs: LocoLabs GCE **IES**

Designing a dynamic digital signage system or a Point-Of-Service (POS) kiosk? The Green Calliope Engine from **LocoLabs** is based on a Marvell PXA310 application processor coupled with a Marvell 88DE2710 1080p HD video processor and the Marvell 88W8688 Wi-Fi/Bluetooth combo chip. Other I/O includes USB, audio, a 2 megapixel camera, and an IR receiver. The pint-sized system (1.3" H x 4.2" W x 2.4" D) runs Linux. Trolltech's Qtopia application framework, a Web browser and flash player, and networking stacks. The basic package docks to an expansion module for debugging or adding custom logic to complete the final design.



### Big, big rackmount monitor

Chassis Plans: CPPM-8U23 **2007 IES**

Bigger monitors are the trend, and this one is really big. The CPPM-8U23 from Chassis Plans is an 8U 23" TFT LCD display with native WUXGA 1920 x 1200 resolution at 60 Hz – 75 percent more pixels than a 1280 x 1024 19" display. Viewability is great with 400 nit brightness, 700:1 contrast, 178 degree viewing angle, and fast 12 ms response time.

But here's the twist: it mounts to the front of a standard 19" rack with an articulating arm, allowing the monitor to be rotated to almost any position.



### Cube PAC now 8x faster

United Electronic Industries: Cube PAC **2007 IES**

Programmable Automation Controllers (PACs) continue to improve. United Electronic Industries' UEIPAC runs Linux with two Ethernet ports, a serial port, an SD card interface, and an inter-PAC sync interface. It provides either three or six slots for I/O boards, including analog input, analog output, digital I/O, counter/timer, quadrature encoder, serial I/O, CAN bus, and ARINC 429 interfaces.

The latest UEIPAC upgrade now allows analog input sample rates up to 576 KSPs and up to eight simultaneous Proportional-Integral-Derivative (PID) loops at greater than 20 KHz. No changes to existing code are required to take advantage of the 8x performance improvement, and existing UEIPACs are field-upgradeable at no charge.



### Equalize pressure without contamination

W. L. Gore and Associates: Polyvent/M12 **2007 IES**

Sealed enclosures are subject to strong pressure differentials as temperatures vary widely. But letting air in and out opens the enclosure to possible dust, moisture, or worse contamination.

The Polyvent/M12 high-airflow GORE Protective Vent from W. L. Gore and Associates comes in plastic or metal versions, providing water protection to meet IP66 for water jets, IP67 for 30 minutes of water submersion, and IP69K for high-pressure spray. Metal versions are explosion rated and temperature rated from -40 °C to +125 °C.

The trick is a unique expanded polytetrafluoroethylene membrane with a microporous structure that allows air in while preventing water and most environmental contaminants from entering.



### Get surveillance video faster

Intellivisions Software Ltd.: Trinetra **2007 IES**

Video over IP is all the rage, but handling MPEG-4 streams requires special processing power. Intellivisions and Cradle Technologies have partnered to create a new solution for streaming video in surveillance networks.

Trinetra provides four-channel video surveillance capability with selectable MPEG-4 streaming and hard disk recording and playback of stored video streams. Using the Cradle MultiCore DSP architecture, Trinetra enables streaming full 640 x 480 resolution at up to 30 frames per second (NTSC) or 25 frames per second (PAL), and delivers outstanding picture

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5 Weeks 3 Days Ago

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