



PRESS RELEASE

For Immediate Release

New3U VPX Processor Board

June 11th2019 – Concurrent Technologies announces their first VPX™ board based on the latest generation Intel® Xeon® E Processors



Concurrent Technologies is delighted to announce their first VPX™ processor board based on the Intel® Xeon® E-2200 processor family (previously known as Coffee Lake Refresh) just launched by Intel® for use in long life-cycle embedded applications. Air-cooled boards will be available for shipment in Q3 with rugged conduction-cooled variants due for qualification testing in Q4 this year.

The default variant of TR E8x/msd is fitted with a 6-core Intel® Xeon® E-2276ME processor running at 2.8 GHz with up to 32 GB of soldered down DDR4 memory and a

assortment of I/O including on-board These features make it particularly supervisory compute, display and storage military, aerospace, transportation and markets.

Figure 1: TR E8x/msd Processor Board

rich graphics. suitable for tasks in the industrial

Security is a key design requirement for this product – all TR E8x/msd boards are shipped with Boot Guard enabled to ensure that only firmware authorized by Concurrent Technologies can be executed. Secure Boot is also permanently enabled, so that the operating system and application software are validated before execution. A TPM 2.0 device is fitted to act as a secure safe for encrypted key storage. For additional protection against external threats, Concurrent Technologies offers optional sanitization utilities or our proprietary security package to prevent against intrusion.

The board has been designed with a flexible PCI Express® (PCIe) configuration, to enable connection to several peripheral boards without a PCIe switch. The normal configuration has two x4 data plane ports with a further option to have up to three x4 data and expansion plane ports all running at Gen 3 speeds. An on-board PCIe switch has DMA and Non-Transparent Bridge capability to enable high throughput transfers and multi-processor board configurations.

Jane Annear, Managing Director of Concurrent Technologies, commented: “This latest board demonstrates our commitment to bring solutions to market at the same time as Intel announce new processor technology. While the main targets for this type of product are in the defense community, we now have customers using our VPX products in both utilities and gas & oil extraction applications that are benefitting from the inherent reliability and robustness of these products.”

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Concurrent Technologies is an international ISO 9001:2015 company specializing in the design and manufacture of commercial-off-the-shelf and custom designed industrial computer boards for critical embedded applications. The company, which was founded in 1985, has offices in the USA, UK, India and China as well as a worldwide distributor network. The company has a wide range of high performance Intel® processor based VME, VPX™, CompactPCI® and AdvancedMC® products, which are complemented by an extensive offering of XMC (Express Mezzanine Card) products. Concurrent Technologies is an Affiliate member of the Intel Internet of Things Solutions Alliance, a global ecosystem of 400+ member companies that provide scalable, interoperable solutions that accelerate deployment of intelligent devices and end-to-end analytics.

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