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Elma's New 3U OpenVPX Mini ATR Provides Flexibility in a Small Form Factor

Box leverages Elma's tested and proven ATR design practices



Cocoa Beach, FL – January 2012 – Elma Electronic Inc., a leading supplier of embedded products and systems solutions built on open standards-based platforms like VME, VPX, CompactPCI and ATCA, now offers the 3U VPX Mini ATR in a rugged [OpenVPX platform](#) designed for use in harsh environments where SWaP is critical.

Measuring only 133 mm high x 180 mm wide x 250 mm deep, the compact unit is ideal for space constrained environments.

The core architecture of the new unit leverages Elma's extensive experience with ATR design for harsh environments that has been proven in hundreds of field-use applications. The new Mini ATR ships configured with a 3-slot, 3U OpenVPX backplane, designed to VITA 65, and can be configured with solid state storage and a 250 W power supply. The unit can be modified to accommodate a plug-in version of the power supply module, providing up to 350 W VDC.

The 3U VPX Mini ATR platform is targeted at applications requiring a high level of processing capability in a small footprint, such as UAS image processing, radar signal processing and other applications that require high bandwidth signal processing and data communications.

If a standard OpenVPX backplane profile cannot support the needs of the end application, a custom target application profile (TAP) can be defined and manufactured to meet the application requirements.

All of the board products used in the pre-configured Mini ATR platform have been selected and tested for interoperability. Elma is partnered with industry leading single board computer manufacturers, and can ship this unit fully integrated with the SBC.

Pricing for the Mini ATR depends on the complement of boards and configuration.

For more information, please visit [Elma's](#) website, contact sales at sales@elma.com, or call (510) 656-3400.