

HIGH PERFORMANCE CPU WITH QUAD-CORE ZYNO PROCESSOR



IDEAL FOR EMBEDDED CONTROL & MONITORING SOLUTIONS

- Available on all UEI's Programmable Automation Controller (UEIPAC) systems.
- 10x the processing power of UEI's prior CPU.
- 100x real-time performance increase via FPGA.
- Three GigE Ethernet ports, supports IEEE-1588.
 - Quad-core ARM Cortex - A53, 64-bit processor combined with a user programmable Xilinx FPGA.
 - 4 GByte, 64-bit DDR, 8 GByte Flash.
- Full HD Video output.
- M.2 slot for NVMe SS drives up to 512 GByte.
- Compatible with UEI's entire product line.
- 10-Year Availability Guarantee and 3-Year Standard Hardware Warranty.



ENHANCED CYBER-SECURITY— FULL LOCKDOWN CONTROL

Secure Boot: Extension of the Root of Trust, prevents untrusted code execution and reverse engineering.

Secure OS: Hardened Linux Toolkit with the latest patches (Yocto) with admin control, password policies activated. STIG/NIST SP 800-213 compliance.

Secure Hardware: Admin control of all interfaces and peripherals with encryption/activation.

UEI's Zynq UltraScale+ based UEIPAC CPU offers increased performance and security to enhance your applications. The UEIPAC offers an unprecedented combination of flexibility, high performance, low cost and small controller.

The unit is an ideal solution in a wide variety of measurement and control applications. The UEIPAC is also an ideal solution for embedded DAQ applications, allowing systems to operate without the cost or additional space required by an external host computer.



UEI COLLECTS REAL-WORLD DATA FOR THE AEROSPACE, ENERGY AND DEFENSE INDUSTRIES, ALLOWING OUR CUSTOMERS TO BUILD SMART SYSTEMS THAT ARE RELIABLE, FLEXIBLE AND RUGGED.



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