

UEI's INTEL x6425RE QUAD-CORE PROCESSOR

HIGH PERFORMANCE PROCESSING
FOR CRITICAL APPLICATIONS



UEI's programmable automation controller (UEIPAC) Cube, RACKtangle™, and FLATRACK™ I/O chassis are now available with the Intel x6425RE processor, optimized for industrial and embedded applications. This energy-efficient quad-core processor supports real-time computing, wide variety of operating systems, Time-Sensitive Networking (TSN), and hardware-based security with TPM 2.0. Ideal for avionics, automated testing, and transportation, it ensures precise timing, low-latency communication, and robust data protection. Designed for harsh environments, it offers an extended temperature range and long-term availability, making it a reliable choice for aerospace, defense, and other demanding industries.



Flexibility: Support for a wide array of OSs and programming languages, including: Win11 IoT Enterprise, Rocky Linux 9.2, RedHawk 9.2, C/C++, Python, LabVIEW™, Simulink™, and more.



Efficiency: Low-power design makes it ideal for energy-efficient systems, while still providing robust performance with quad-core processing capabilities



High Performance Computing: Embedded processor runs Windows and LabVIEW™ directly on your UEI Intel system - suitable for applications that require fast data processing, such as avionics, automated test, and transportation systems.



Cybersecurity: Trusted Platform Module (TPM) 2.0 support.



Time-Sensitive Networking (TSN): Enhances deterministic communication - precise timing and low-latency data.



Rugged & Reliable: Extended temperature range (-40 to 85° C) and long-term availability also make it durable and reliable for use in harsh environments.

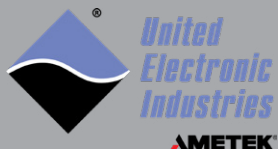
Intel x6425RE Elkhart Lake



SPECIFICATIONS:

- Available on Cube, 12-slot RACKtangle & FLATRACK UEIPAC systems
- Quad-core Intel, 64-bit processor
- 1.9GHz, 12W
- 8 GB RAM, 32 GB eMMC
- Two GigE ports, supports IEEE-1588, TSN
- Full HD Video Output – Display Port
- M.2 slot for NVMe SS drives up to 512 GB

**PRECISE TIMING. DETERMINISTIC PERFORMANCE. ACCURATE CONTROL AND
SYNCHRONIZING OF COMPLEX TEST SEQUENCES. REDUCED LATENCY.**



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