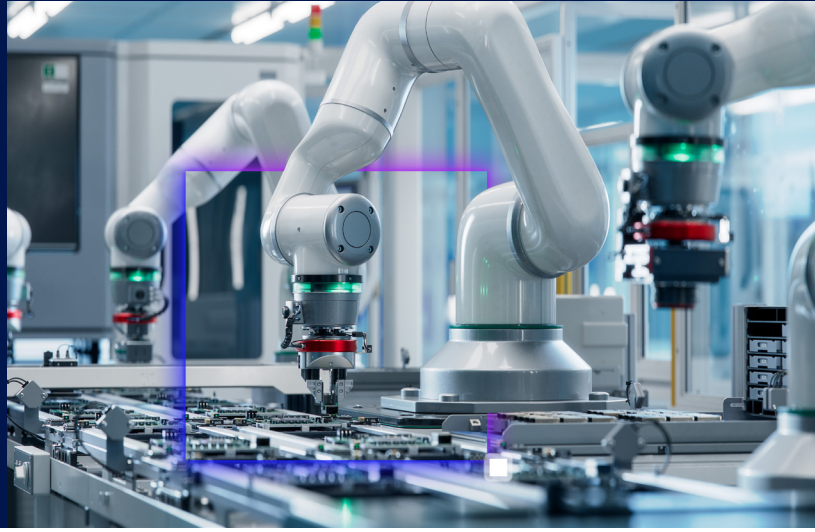
High-Performance Machine Vision Computer with Dual Power



VCO-6000-RPL

premio x intel ai

Industrial Machine Vision Computer with 13th Gen Intel® Core™ Processors

VCO-6000-RPL-3-2PWR is a rugged, GPU-optimized edge computer purpose-built for high-performance AI and machine vision workloads in harsh industrial environments. Powered by 12th/13th Gen Intel® Core™ processors (35W TDP, LGA 1700) with hybrid P- and E-core architecture, it delivers exceptional compute efficiency for real-time inference. The system supports up to 64 GB DDR5 memory and features dual full-height, full-length (FHFL) PCIe Gen 4 slots with a dedicated 600 W power budget for advanced GPU acceleration. Additional capabilities include hot-swappable NVMe/SATA storage bays for rapid data offloading, triple independent display outputs (2× DP, 1× DVI-I), and rich industrial I/O with multiple USB 3.2 ports, isolated DIO, and dual 2.5 GbE LAN. Designed for reliability at the rugged edge, it offers wide-range 9–48 VDC power input, MIL-STD-810G shock and vibration compliance, TPM 2.0 security, and a broad operating temperature range from –25 °C to 70 °C.

Key Features

- Semi-Rugged Fanless Design
- PCIe Gen 4 Expansion
- Hot-Swappable NVMe Storage Bays
- Dual-Power GPU Configurations

Intel Products & Technology

Intel® Core™ Processors

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