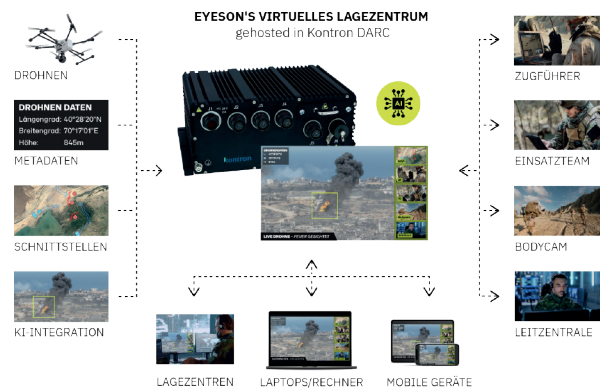


Solution-Ready Platform for Situational Awareness

Kontron partners with Eyeson to deliver a Tactical Edge AI platform for instant situational awareness.

It combines AI-powered video fusion software with GPU-based rugged hardware, turning live video streams into actionable intelligence in real time.

The platform is open, API-ready, and designed for seamless integration into C4ISR or surveillance systems, giving system integrators a proven foundation for mission, ready situational awareness.



Kontron + Eyeson : the open intelligence backbone for your defense and security platforms.



Try live demo



End-to-end Expertise

Kontron provides a complete lifecycle support for your embedded systems. Our capabilities include:

- Hardware & software co-design and development
- Program and configuration management
- System integration and validation
- Obsolescence and lifecycle management
- Technical assistance and on-site engineering support
- Repair, maintenance, and upgrade services

Built for Demanding Missions - Trusted by Systems Integrators

Kontron's rugged systems are designed to simplify integration, reduce program risk, and ensure long-term availability. Our customers choose Kontron because we provide more than hardware.

Cybersecure by Design

- SEC-LINE™ baseline ensures trusted boot, data protection, and secure configuration.
- Embedded cybersecurity services support system accreditation and threat resilience.

Smart Monitoring & Maintenance

- CMON-Line™ health-monitoring suite enables predictive maintenance and asset visibility.
- Continuous diagnostic data for improved fleet readiness and reduced downtime.

Long-Term Supply & Support

- Guaranteed configuration control, component management, and lifecycle planning.
- Local program management and engineering support in Europe and North America.

Services and Support

Technical assistance & technology evaluation:

✉ support.KFR@kontron.com

Configuration control & Asset management services
Long Term deliveries & Warranty Extensions, COTS
tailorization & Program Management:

✉ sales.KFR@kontron.com

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Rugged Embedded Systems

COTS-based • Secure • ITAR-Free



Mission Computers

Ethernet Switches

Rugged Edge Servers

kontron

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Rugged COTS Systems

Kontron designs and manufactures rugged embedded systems for mission-critical applications in defense, avionics, transportation and cybersecurity. Our platforms are developed across Kontron's global engineering centers in Europe and North America, ensuring consistent design standards, shared technologies, and long-term reliability. Each product follows the same DNA — rugged, modular, secure, and proven in the field.

Mission computing, Scaled to your platform.

From Low-SWaP Edge Units to High-Performance Modular VPX Systems

	μDARC  Ultra-Compact Mission Computer	S1901 COBALT™  High Performance CPU/GPU Platform	DARC™ VX208  High Performance Secure Mission Computer	HARAKAN-F  Modular VPX Mission System
Form Factor	Sealed ultra-small box, fanless	COM Express-based rugged platform	VPX-based rugged chassis	3U VPX SOSA®-aligned chassis, up to 2 payloads
Performance level	Moderate computing, fixed configuration	Very high-performance Intel® Xeon®, GPU capable	High compute density, Intel® Core™ i7 platform capable	Extremely high computing, full VPX ecosystem
Expandability	Fixed (sealed unit)	High - capability to integrate 3rd party product inside	Moderate — multiple I/O and interfaces	Very high — VPX expansion and integration
SWaP Efficiency	★★★★★ (Low SWaP)	★★ (Mid-heavy chassis-high internal integration capacity)	★★★ (Balanced)	★★★★ (High Power)
Typical Use Cases	UAVs, UGVs, small vehicles, sensor pods, wearable computer	Unmanned vehicle	Radar, imaging, EW, C4ISR	Vehicle/airborne C4ISR, system integration
Compliance	MIL-STD, fanless sealed design	MIL-STD, ruggedized for field deployments	MIL-STD, cyber-secure architecture	MIL-STD, boards aligned to SOSA®
Origin	Engineered & Manufactured in Europe	Engineered & Manufactured in North America	Engineered & Manufactured in Europe	Engineered & Manufactured in Europe

Explore our e-Showroom to experience Kontron rugged systems in action



Built on Proven Kontron Building Blocks. Scan to explore our VPX Ecosystem



Rugged Networking

CERES-TSN - Rugged Ethernet Switch with TSN



Kontron CERES-TSN delivers deterministic, time-sensitive networking for embedded defense and avionics systems.

- IEEE 802.1 TSN (Qbv, Qci, Qbu, AS) and IEEE 1588v2 PTP support
- Compact, fanless, sealed to IP65
- Compliant with MIL-STD-810G / 461F / 1275E
- Layer 2/3 managed switch with advanced QoS and security
- Deterministic, synchronized data for C4ISR and tactical networks
- Engineered and manufactured in Europe

Rugged Edge Servers

COBALT™ RR 2500 – Data-center-level performance to the tactical edge.



Built around Intel® Xeon® multi-core processors, it offers:

- GPU and storage options for compute-intensive workloads
- MIL-STD-810/167/461 compliance
- Reliable operation for command centers, ground stations, and edge AI
- Engineered and manufactured in North America