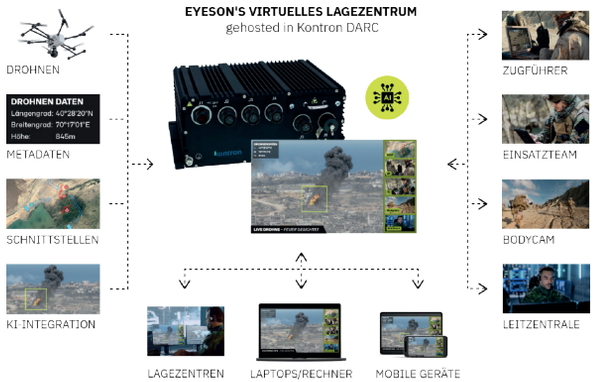
Solution-Ready Platform for Situational Awareness

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

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	S1901 COBALT™	DARC™ VX208	HARAKAN-F
	Ultra-Compact Mission Computer	High Performance CPU/GPU Platform	High Performance Secure Mission Computer	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	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 Canada	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 Connectivity

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 Canada