

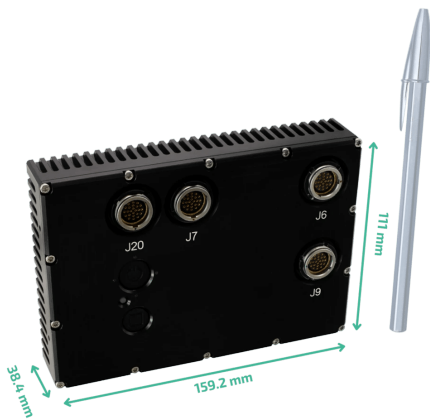
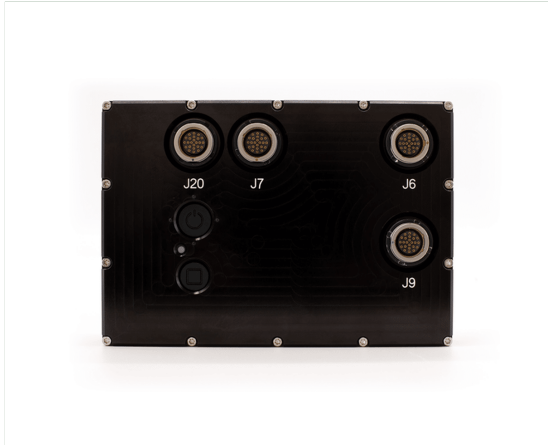
# μDARC Microserver



**BLUE LINE**  
IT for Demanding Environments

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# μDARC Microserver



## Highlights

Process critical data closer to the mission without adding unnecessary size, weight or power consumption. The μDARC Microserver gives you a compact and rugged edge computing platform that helps you collect, process and transmit data reliably in demanding defense environments.

Modern defense applications require computing power where data is generated. The μDARC Microserver helps you process sensor data from cameras, LIDAR, GPS and other field equipment in real time, reducing latency and enabling faster decision making during mission-critical operations.



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When size, weight and power consumption matter, every gram and every watt count. The compact design, lightweight construction and power consumption below 5W help you deploy reliable edge computing capabilities in vehicles, UAVs, UGVs and portable defense platforms without compromising performance.

- Ultra-rugged mobile microserver
- Quad-Core NXP Arm® Cortex-A35 processor – i.MX8X
- Ultra-compact
- Robust and secure design with cybersecurity chain of trust
- MIL-STD-810G, STANAG 4370 (AECTP 300, 400, 500), MIL-STD-461G
- CE, REACH / RoHS certified
- Long-term support, ITAR-free
- Cryptographic key management memory
- Linux Yocto 4.0 OS
- Build-to-order configured to your requirements

## Specifications

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### Model Type

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Ultra-rugged microserver

### Form Factor

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Small Form Factor (SFF)

### Cooling

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Fanless

### Ingress Protection

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IP67



# μDARC Microserver

## Environment

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Operating temperature -19 °C to +49 °C

Storage temperature -21 °C to +71 °C

## Certification

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CE, REACH / RoHS

MIL-STD-810G

MIL-STD-461G

STANAG 4370 (AECTP 300, 400, 500)

## Management Software

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U-Boot

## Processor

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Low Power i.MX8X Series processor

Quad-core Arm® Cortex-A35, one Cortex-M4F

GPU, VPU

## RAM

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3GB DDR4

## Storage

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8?GB eMMC (optional up to 32?GB pSLC / 64?GB MLC)

## Front Input / Output

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3 × USB 2.0 (one OTG)

1 × Gigabit Ethernet (1000BASE-T), optional additional port

2 × EIA-232 with flow control (TXD, RXD, RTS, CTS)

Optional Wi-Fi IEEE802.11 b/g/n with integrated antenna

Optional Bluetooth / BLE 4.2 with integrated antenna

## Special Function

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# μDARC Microserver

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Cryptographic keys management memory

## Operating System

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Linux Yocto 4.0

## Power Supply

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12 VDC nominal Batteries Type 1: 14.5 V; Type 2: 10.2 V nominal

## Power Consumption

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Less than 5W

## Dimension and Weight

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Dimension	H 159.2 × W 111 × D 38.4 mm
Weight	735g

## Warranty and After Sales Support

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Standard 1 year (option for 3 years)

