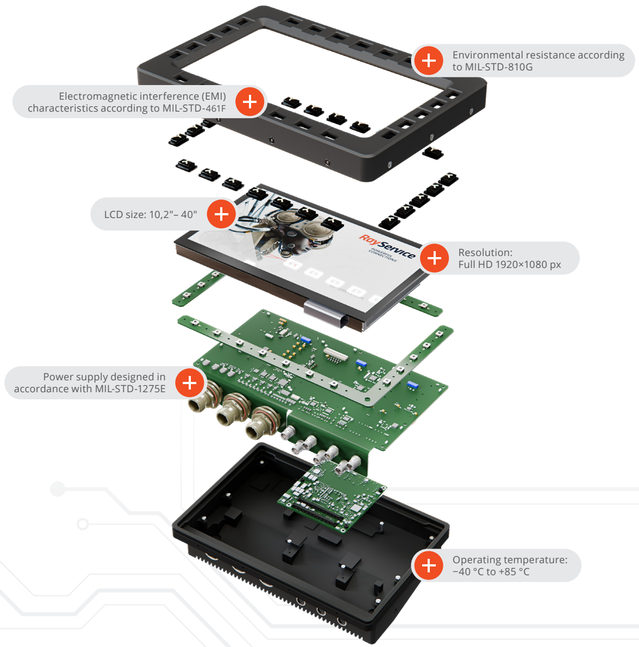
Built for platforms where standard electronics are not enough

Scalable, mission-ready display and computing systems designed for harsh environments, demanding integration and long-term deployment. EGIS Family provides rugged display and computing units for land systems, vehicle platforms, operator workstations and mission applications requiring reliable operation, flexible integration and long-term availability.



Mission reliability

Designed for harsh environments, vehicle power conditions, vibration, shock, temperature stress and electromagnetic compatibility requirements.

Integration flexibility

Multiple communication, display, camera, serial, USB, Ethernet and vehicle bus interfaces support various platform architectures.

Scalable performance

Choose high-performance computing, cost-effective ARM-based operation, or extended operator workspace with additional display units.

One rugged platform family. Three configurations.

EGIS NG

High-performance

EGIS Lite

Cost-effective ARM

- NXP i.MX 95 ARM
- 16 GB LPDDR5
- 256 GB eMMC Flash
- Yocto Linux
- Integrated IP camera support

EGIS Expander

Display & control

- Mechanical keyboard
- Optional touchscreen
- 1–2 units per main unit
- Wider desktop
- HDMI / DP & USB

Choose the right configuration for your mission profile.

Ready for complex platform integration

EGIS Family is designed to support a wide range of system architectures, from standalone rugged display computers to integrated vehicle electronics and multi-display operator workstations.

Feature	EGIS NG	EGIS Lite	EGIS Expander
Role	High-performance computer	ARM computing unit	Display/control extension
CPU architecture	Intel x86/x64	ARM / NXP i.MX 95	Extension unit
Memory	Up to 64 GB	16 GB LPDDR5	n/a
Storage	Up to 2 TB NVMe SSD	256 GB eMMC	n/a
CAN FD	4x 8 Mbit	2x 4 Mbit	Through host
Ethernet	2x 2.5 Gbps	1x 1 Gbps + 4-port switch	Through host
USB	2x USB 3.2 + 2x USB 2.0	1x USB 3.0 + 2x USB 2.0	USB
Display	HDMI, DisplayPort	DisplayPort	HDMI / DP
Serial	2x RS232/422/485	1x RS232/422/485	n/a
Expansion	M.2 E-key, M.2 M-key	M.2 E-key	n/a

Final mechanical design, connector layout and configuration may vary according to customer and platform requirements.

Designed to meet demanding military platform requirements

All EGIS Family variants are designed in accordance with key military standards for environmental resistance, electromagnetic compatibility and vehicle power supply conditions.

MIL-STD-810G
Environmental resistance

Shock, vibration, temperature, humidity, salt spray, altitude and temperature shock requirements.

MIL-STD-461F
Electromagnetic interference

EMI/EMC performance for demanding platform environments.

MIL-STD-1275E
Vehicle power supply compatibility

Designed for military vehicle power conditions.

DIN EN 60529
Ingress protection

IP5x / IPx3 according to configuration

Rugged platform proof points

- Operating temperature: -40 °C to +85 °C
- Passive cooling
- No moving parts inside
- Full-aluminium chassis
- Configurable backlit buttons
- Optional touchscreen
- Blackout mode support

RayService

From standalone HMI to multi-display mission workspace.

Typical applications

Vehicle HMI

Operator interface for vehicle systems, platform control and mission applications.

Situational awareness

Camera, video and sensor visualization for land platforms and mobile systems.

Command & control workstation

Multi-display workspace using EGIS NG with one or two EGIS Expander units.

Platform data gateway

Processing, visualisation and distribution of vehicle bus, network and sensor data.

Your application
What challenge do you need to solve? Let's configure EGIS for your platform and mission.

Scan to learn more about **EGIS 1024NG**

Vehicle systems | Sensors | Camera | CAN | Ethernet

EGIS NG or EGIS Lite

Operator HMI | Network | EGIS Expander | Mission application

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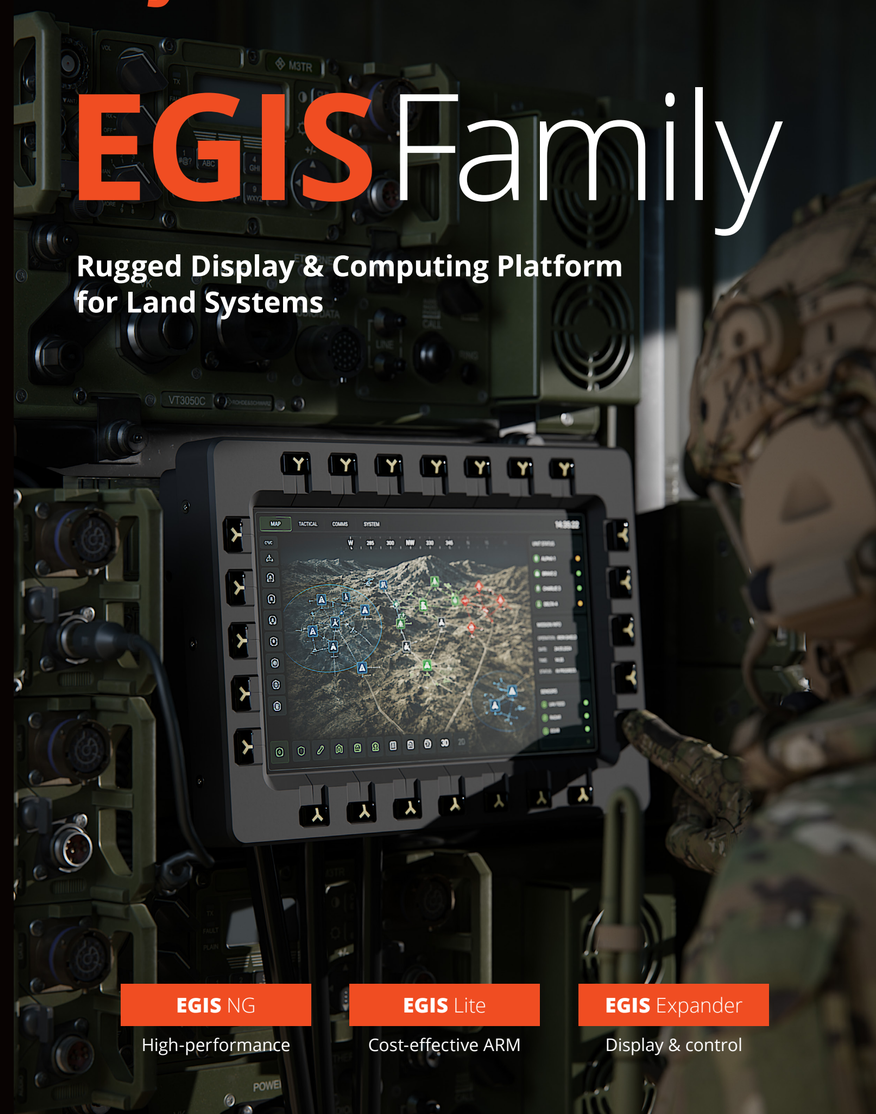
RayService

EGIS Family

Rugged Display & Computing Platform for Land Systems



EGIS NG
High-performance

EGIS Lite
Cost-effective ARM

EGIS Expander
Display & control