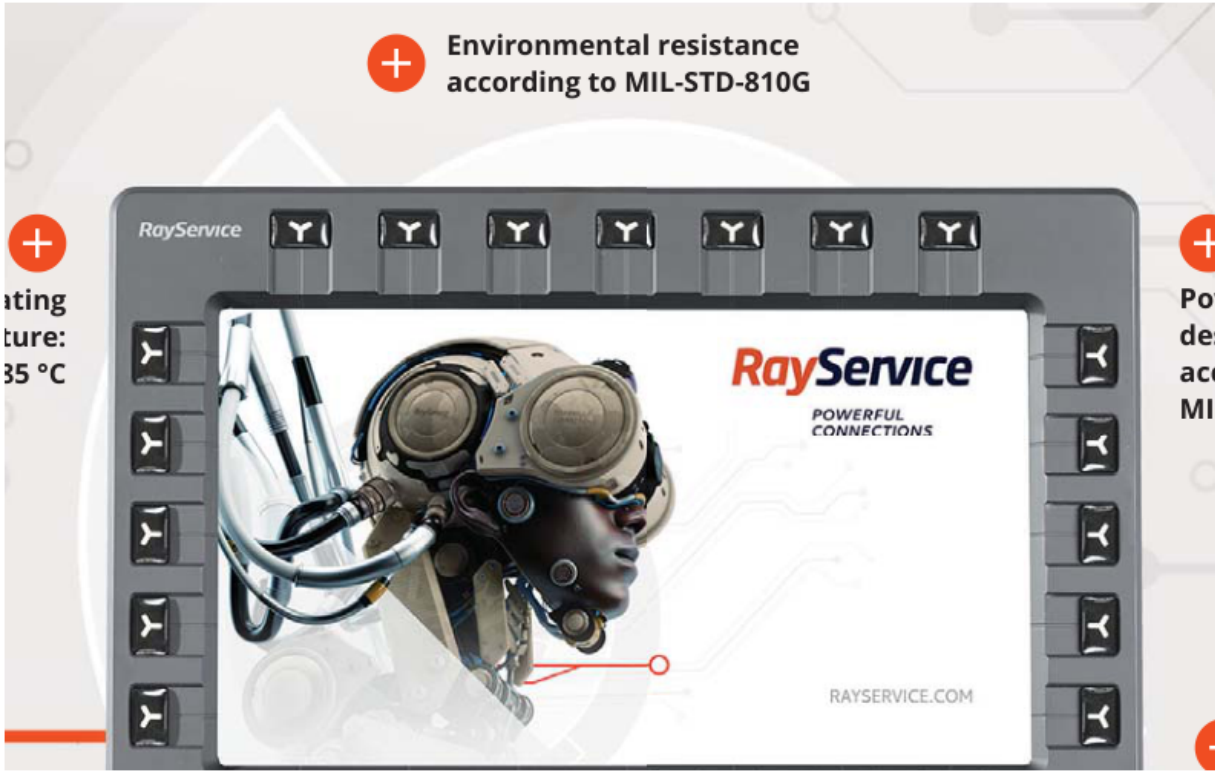




EGIS Family

Rugged Display & Computing Platform

Scalable, mission-ready display and computing systems for land platforms.



EGIS NG
High-performance

EGIS Lite
Cost-effective ARM

EGIS Expander
Display & control

MIL-STD compliant family

Configurable I/O

Passive cooling

Scalable architecture

Built for platforms where standard electronics are not enough

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.

01

Mission reliability

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

02

Integration flexibility

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

03

Scalable performance

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

One leaflet, three reader levels

Engineering

interfaces, OS, expansion

Procurement

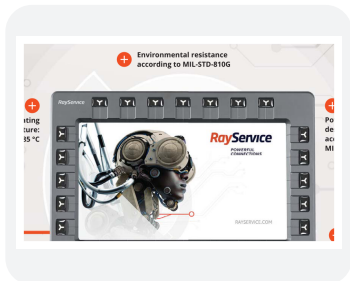
variants, cost/performance

Management

risk, reliability, lifecycle

Three configurations. One platform family.

Choose the right configuration for your mission profile.



EGIS NG

HIGH-PERFORMANCE

Maximum performance for complex mission applications.

- 13th Gen Intel Core i7
- x86 / x64 architecture
- Up to 32 GB RAM
- Up to 2 TB NVMe SSD
- Rich high-speed I/O

PRODUCT IMAGE

placeholder

EGIS Lite

COST-EFFECTIVE ARM

Efficient performance for scalable platform integration.

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

PRODUCT IMAGE

placeholder

EGIS Expander

DISPLAY & CONTROL

Expand the operator workspace without multiplying complexity.

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

Ready for complex platform integration

EGIS Family supports 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 32 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

EMI / EMC characteristics

Electromagnetic interference characteristics for demanding platform environments.

MIL-STD-1275E

Vehicle power supply

Designed for military vehicle power conditions.

DIN EN 60529

Ingress protection

IP5x / IPx3 according to configuration.

Rugged platform proof points

-40/+85 C

Passive cooling

Aluminium chassis

No moving parts

Blackout modes

From standalone HMI to mission workspace



1

Vehicle HMI

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

2

Situational awareness

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

3

Command & control workstation

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

4

Platform data gateway

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

Let's configure EGIS for your platform.

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