

Take Industrial Automation Further



EC600-RPS

Expandable Embedded System for Industrial Automation

Industrial automation demands robust connectivity, flexible expansion, and dependable operation in challenging environments. The DFI EC600-RPS is a scalable, modular embedded platform powered by Intel® Core™ processors (Series 2), delivering high performance for industrial and edge applications. It provides extensive I/O connectivity, multiple expansion options through its modular chassis design, and 5G communication for low-latency data transmission. With support for wide operating temperatures, the EC600-RPS ensures stable and flexible deployment across diverse industrial environments.



**Versatile
modular design
for highly
expandable
industrial Edge AI**

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



[Intel® Core™
Processors](#)



[OpenVINO™
Toolkit](#)



[Intel® Ethernet](#)



[Intel® onAPI
Toolkit](#)

Key Features

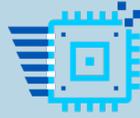
Empowered by Intel.



Expandable Industrial Embedded System



High-Capacity Memory



High-Speed Processing Power



Wide Temperature Endurance

DFI EC600-RPS



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	Intel® Core™ 5 processor or 14th/13th/12th Gen Intel® Core™ i processor
Graphics	Intel® UHD Graphics 730
Memory	Up to 64GB Dual-Channel DDR5 4800MHz via 2x 262-pin SODIMM slots
Storage	Up to 2x M.2 2280 M key (SATA/PCIe x4) with RAID 0/1 support
Wireless Network	Supports 5G communication via M.2 3042/3052 B key and DFI OOB remote management module via dedicated M.2 3042 A key
LAN	Up to 6x LAN ports, including 2x 2.5GbE (Intel® Ethernet Controller I226-IT) and 4x GbE
Operating / Storage Temp.	-20 ~ 70°C (35W CPU) or -20 ~ 50°C (65W CPU) / -20 ~ 85°C
Dimension (W x D x H)	249.5mm x 223mm x 85mm
Weight	4.5 kg
OS	Windows 11, Windows 10 IoT Enterprise 2021 LTSC, and Linu
I/O Options (Input/Output)	Up to 10x COM ports (RS232/422/485); Up to 5x USB 3.2 Gen 2 (10Gbps) and 1x USB Type-C with Alt. mode; Triple independent displays via 1x HDMI (4K@30Hz), 1x DP++ (4K@60Hz), and 1x VGA

Learn More

[DFI EC600-RPS](#)

Intel technologies may require enabled hardware, software or service activation. // No product or component can be absolutely secure. // Your costs and results may vary. // Performance varies by use, configuration and other factors. // See our complete legal [Notices and Disclaimers](#). // Intel is committed to respecting human rights and avoiding causing or contributing to adverse impacts on human rights. See Intel's [Global Human Rights Principles](#). Intel's products and software are intended only to be used in applications that do not cause or contribute to adverse impacts on human rights.

© Intel Corporation. Intel, the Intel logo and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.