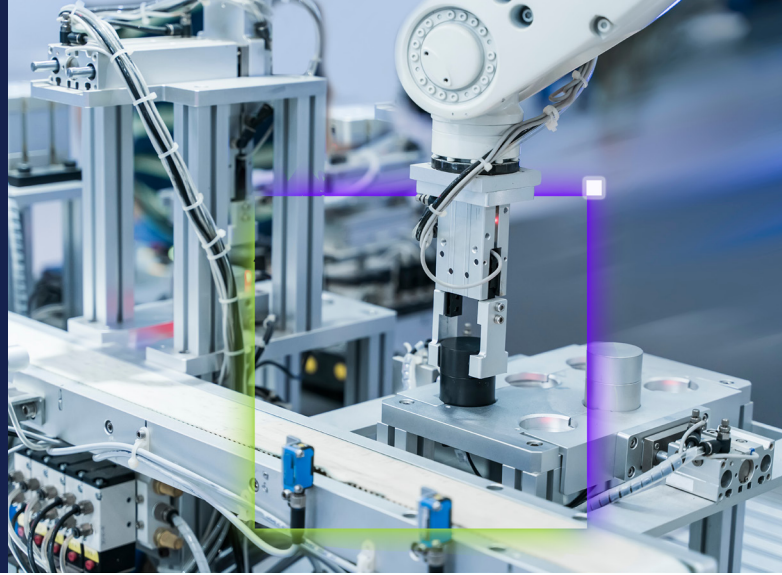


DFI Ultra Compact Fanless System



DFI EC70A-MTH

Powered by Intel® Core™ Ultra 7 / Ultra 5 Processor

The DFI EC70A-MTH solves factory automation and AMR challenges by packing Intel® Core™ Ultra processor performance into a compact, fanless, and rugged system. It delivers advanced AI inference via built-in Intel® Arc™ graphics, eliminating the need for bulky discrete GPUs. Engineered for motion, it features 5G connectivity, Out-of-Band (OOB) management, and shock/vibration certification with a -20°C to 60°C operating range. With 3 LAN and 4 COM ports, the EC70A-MTH ensures reliable, real-time control for critical industrial applications.

DFI × intel ai

**Industrial
Fanless System
with Intel® Core™
Ultra processor
AI computing
with 5G
connectivity**

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processor



Intel® Arc™
Graphics



OpenVINO™
Toolkit



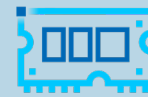
Intel® Ethernet

Key Features

Empowered by Intel.



Ultra-Speed Processing Power



Dual Channel LPDDR5 Memory



Dual Displays: HDMI + USB-C



Rich I/O Expansion

DFI EC70A-MTH



Product Specifications

CPU	Intel® Core™ Ultra 7 processor 165H
Graphics	Intel® Arc™ graphics (DirectX 12, Open GL 4.6, Vulkan 1.2)
Memory	Dual Channel LPDDR5 6400MHz memory down 32GB
Storage	1 x M.2 2280 M key (PCIe x4)
Wireless Network	1 x M.2 B key 3042/3052 for 5G-NR module (with SIM slot) & 1 x M.2 E Key 2230 for WiFi/BT expansion
LAN	2 x 2.5GbE (Intel® Ethernet Controller I226-IT) & 1 x GbE (Intel® Ethernet Controller I210-IT, supports OOB)
Operating / Storage Temp.	1-20 to 60°C (Fanless 15W) -20 to 70°C (w/ Fan 28W) / -20 to 85°C
Dimension (W x D x H)	181.6mm x 118.4mm x 57mm
Weight	1.4KG
OS	Windows 10 IoT Enterprise 64bit, Windows 11 IoT Enterprise LTSC 2024, Linux

Learn More

[DFI EC70A-MTH](#)

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