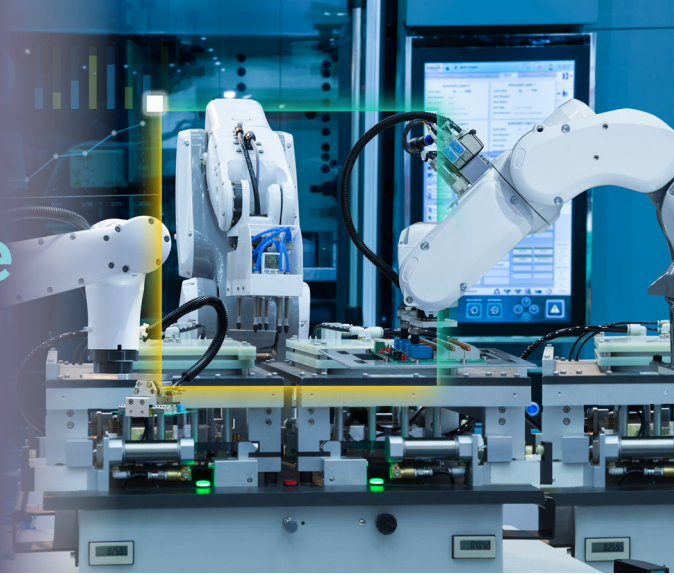


Rugged Platform Built for Automation, Machine Learning, and AI



OnLogic Karbon 804



Rugged Edge System Ideal for Industrial Automation, Machine Learning and AI

The Karbon 804 is a high-performance, rugged edge system built to power advanced AI, machine learning, and industrial automation applications. Equipped with up to 24-core 12th or 13th Gen Intel® Core™ processors, it delivers exceptional parallel processing and energy efficiency for real-time inferencing and decision-making. Dual ModBay slots and PCIe Gen 4 expansion enable flexible I/O and GPU acceleration, while optional 6-disk RAID storage ensures high-capacity, fault-tolerant data handling. Designed to thrive in harsh environments, the Karbon 804 combines Intel's hybrid architecture with OnLogic's industrial-grade engineering to bring intelligent computing closer to where data is generated—reducing latency, increasing responsiveness, and unlocking new possibilities at the edge.

***Karbon 804
delivers peak
performance,
flexible I/O,
and rugged
reliability for
edge AI projects***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



**Intel® Core™
Processors**



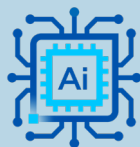
**Intel® Arc™
GPU**



Intel® Ethernet

Key Features

Empowered by Intel.



AI-Ready
Processing



Modular
Expansion



High-Speed
PCIe



Flexible I/O
Design

OnLogic Karbon 804



Product Specifications

CPU	13th/14th Intel® Core™ i3/i5/i7/i9 processors
Graphics	Up to Intel® UHD Graphics 770 (processor dependent)
Memory	Up to 64GB DDR4 SO-DIMM (non-ECC)/DDR4 SO-DIMM (ECC)
Storage	1 M.2 2280 (PCIe Gen 4.0 x4) 1 M.2 2280 (PCIe Gen 4.0 x4, SATA) 1 M.2 2280 (SATA)
Wireless Network	Intel Wide-Temp M.2 2230 802.11ax Wi-Fi 6E Bluetooth 5.2 Card and 4G LTE Connectivity
LAN	Up to 22x LAN
Operating / Storage Temp.	-40 ~ 50°C (w/ 65W CPU) -40 ~ 70°C (w/ 35W CPU) / -40 ~ 85°C
Dimension (W x D x H)	240mm x 143mm x 267mm
OS	Windows 10/11, Ubuntu

Learn More

[OnLogic Karbon 804](#)

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