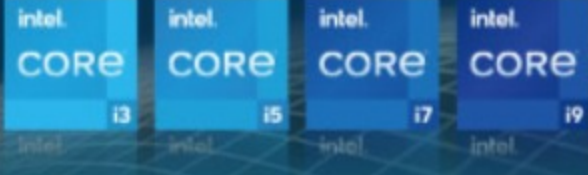


Scalable, Versatile, Reliable

1U Scalable Network Appliance Powered by 12th/13th/14th Gen Intel® Core™ Processors

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FWA-3034



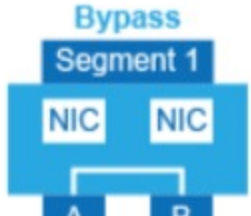
P-cores & E-cores
Hybrid processors up to 24 cores/ 32 threads



DDR5 non-ECC/ECC
Up to 64GB 4800MHz/5600MHz



10GbE/ 2.5GbE/ 1GbE
Multiple Ethernet Interface



Advanced LAN Bypass
2 pairs for traffic management



DPDK
Boosted performance



Redfish Empowered IPMI 2.0 by Advantech BMC

Performance Benchmarks of 8th/12th/13th Gen Intel® Core™ Processors

Intel's latest 12th and 13th Gen CPUs surpass their 8th Gen predecessors in performance and energy efficiency, marking a significant technological advancement.

Higher is better (increase ratio)



**Performance Benchmark is based on single thread rating of CPU from PASSMARK¹*

13th/14th Gen Intel® Core™ Processors

- P-cores(Performance-cores) drive single & lightly-threaded performance enhancing IoT workloads
- E-cores(Efficient-cores) enhance MT performance for background task management, multi-tasking and focused MT throughput scenarios

Up To

24

Cores
8 Performance
16 Efficient

Up To

32

Threads
2T per P-core
1T per E-core

Up To

36

MB
Non-Inclusive
LL Cache

Tailored to project specifications, the FWA-3034 can be optimized with turbo boost functionality, allowing it to surpass its base frequency and deliver superior computing performance.

Intel® Core™ processors (14th Gen) vs. prior-generation processors

Up to

1.05x

(est.)
faster single-thread performance

Up to

1.18x

(est.)
faster multithread performance

Up to

1.05x

faster in CPU plus GPU image-classification inference performance

Source: Intel Product Brief, Edge AI Solutions Intel® Core™ processors (14th Gen)

Advantech Guarantees Dependable Computing Through the Implementation of Software Solutions

Advantech Platform Security²

Sustainable compliance with **NIST SP 800-193** a cost-effective firmware-based solution

Enterprise-level Security

TPM 2.0 technology delivers enterprise-level security, protection against both digital and physical threats

Advantech Server iManager³

Server iManager evolves into a Linux-based software framework, harnessing the power of innovation

IPMI 2.0

IPMI streamlines the surveillance of real-time sensor data, enabling the meticulous tracking of vital metrics for system health

FWA-3034

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FWA-3034

Intel Platform	12 th /13 th /14 th Gen Intel® Core™ i9/i7/i5/i3 processors Intel® Pentium® G7400 Intel® Celeron® G6900
Core Count	4-24 cores
Base Frequency	Up to 3.4 GHz
Networking	Up to 2 x 10GbE SFP+, 8 x 2.5GbE RJ45, 2 x 1GbE SFP
Memory	2 x DDR5 Non ECC/ ECC/UDIMM Slots
Expansion	1 x Advantech PCIe Gen4 NMC mezzanine expansion slot
PCIe Expansion	1 x PCIe Gen4 x 8 FH/HL card
Storage	1 x 2280 M.2 M-Key slot for SATA SSD or PCIe x 4 Gen4 NVMe SSD
TPM	TPM 2.0 module
Dimensions (W x H x D)	438 x 44 x 420 mm (17.2" x 1.7" x 16.5")

Application Scenarios

Next Generation Firewall

Cloud Service Gateway

Unified Threat Management

Remark

- ¹ Performance benchmark
- ² Advantech Platform Security
- ³ Server iManager

Contact Advantech For more info on these products, please call our toll free-line 1-800-205-7940 or email us at snd.nfv@advantech.com