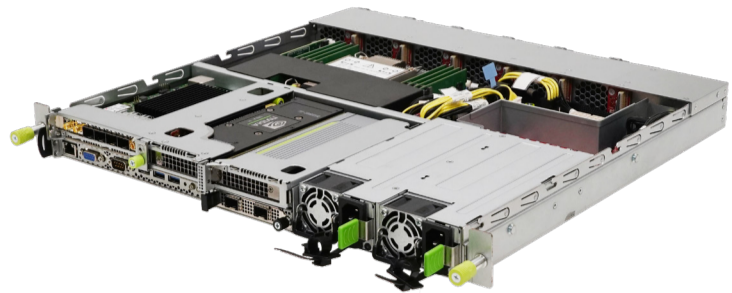




OpenEdge Platform

Wiwynn® ES100G2

The Advanced 1U
Short-depth Platform for Edge
AI Inference and vRAN/NFV.



New 5th Gen Intel Xeon Scalable Processors with Integrated AI Acceleration

The Wiwynn® ES100G2, a compact 1U short-depth single-socket edge server, features the 5th Gen Intel Xeon Scalable Processor, delivering exceptional edge AI computing and network capabilities. With enhanced built-in AI acceleration, Intel® Advanced Matrix Extensions (Intel® AMX), faster DDR5 memory, and PCIe Gen5, the processor achieves impressive performance-per-watt improvements across various workloads, ensuring exceptional performance and cost-effectiveness.

Optimized vRAN/NFV Platform in Far Edge

Designed for enhanced telemetry and network applications, the ES100G2 showcases a cutting-edge design optimized for virtualized Radio Access Network (vRAN) and Network Function Virtualization (NFV) capabilities. Serving as an ideal solution, it ensures a unified and efficient computing platform for a variety of vRAN and NFV applications in far-edge scenarios.

AI Inference for Versatile Edge Applications

Tailored for agile edge workloads, the ES100G2 excels as an AI inference platform. Leveraging AI acceleration cards and flexible add-on slots, its architecture is optimized for enhanced compute and network scale-out capabilities. This delivers a solution for various tasks and fits the demands of edge service providers seeking robust edge AI applications.

NGC-Ready, NVQual-Certified, Wind River Criteria for Enhanced Performance

The ES100G2, featuring NVIDIA GPU Cloud (NGC)-Ready and NVQual-Certified capabilities, aligns with the Wind River Certified standard for edge computing platform excellence. Leveraging the currently deployed two NVIDIA L4 Tensor Core GPUs, these features ensure NGC compatibility and enhance edge platform reliability.

Carrier-grade and NEBS Level 3 Compliant

With its robust carrier-grade design, the ES100G2 complies with stringent NEBS Level 3 standards. This ensures unparalleled reliability, durability, and resilience, making it the ultimate choice for communication service providers (CoSPs) where availability is paramount.

Wiwynn® is a fast-growing cloud infrastructure provider that develops high-density computing and storage products, plus rack solutions for leading data centers.



Model : Wiwynn ES100G2 Series

Model Name

ES100G2



Hardware

Form Factor	1U
Processor	5 th Generation Intel® Xeon® Scalable Processor, Up to 225W TDP
GPU	Two NVIDIA L4 Tensor Core GPUs
Processor Sockets	One
Chipsets	• Intel® Emmitsburg PCH C741 • TPM 2.0
Memory	Eight DDR5-4400/4800 DIMM Slots, up to 128GB each

Storage and I/O

Storage	Two M.2 2280/22110 NVMe SSDs
Expansion Slots	<ul style="list-style-type: none"> • One OCP3.0 NIC card (10/25/40/50/100/200/400Gbps) • Two HHHL PCIe Gen5 x16 PCIe expansions • One FHHL PCIe Gen5 x16 PCIe expansion
Remote Management	• IPMI 2.0 Compliant • Redfish® API
I/O Ports	<ul style="list-style-type: none"> • Power Button with LED • UID Button with LED • Reset Button • Three USB ports • Management port (front side) • VGA port • COM port

Physical Specifications

Dimensions	43.5 (H) x 438 (W) x 420 (D) mm
Weight	10kg
PSU	800 Watts AC to DC power supply
Fan	Six 4056 Hot-Plug dual rotor fans, N+1 Redundant

Environment

Operating conditions	NEBS Level 3 compliant (GR-63, GR-1089)
EMC	<ul style="list-style-type: none"> • FCC CFR47 15 (class A), CISPR 32 (class A), CISPR 35 • NEBS Level 3 compliant
Safety	<ul style="list-style-type: none"> • IEC 62368-1:2014 • IEC 62368-1:2018 • UL 62368-1 3rd Ed
Seismic Tolerance	NEBS Level 3 compliant
Acoustic Noise	NEBS Level 3 compliant
Fire Resistance	NEBS Level 3 compliant



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