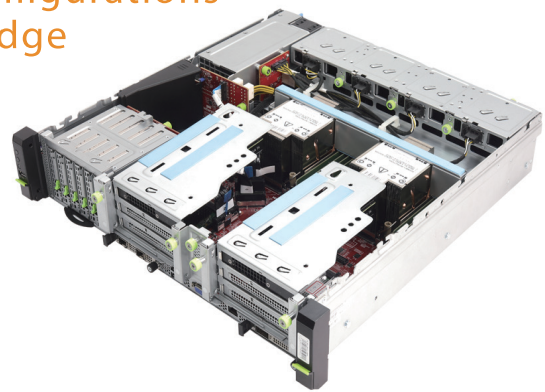# wiwynn

Edge Platform
Wiwynn ES200

The Tailored-made MEC Server with Flexible Configurations for Various Edge Applications

Short Chassis for Edge Deployment

The ES200 is designed to be a stand-alone 2U MEC server with short depth of 450mm, which supports EIA-19" rack mount and especially for Telco 19" short rack. It is purposed to be a drop-in replacement under Telco environment that are not be modern as many recently built centralized data centers that comes with standard facilities.

NEBS-3 Compliant for Harsh Conditions

ES200 is compliant to NEBS-3, which is a clear index that the hardware can endure varying and tough physical conditions. NEBS-3 comprises a number of guidelines for designing equipment that can be deployed where the operating conditions often are challenging. By compliant to NEBS-3, it is proved that ES200 is solid as a rock for edge environment.

Hot-swappable PSU & FAN and Front I/O for Easy Services

ES200 comes with all front-end PCIe & storage I/O design which could expedite the services time at edge sites with limited space condition. At the rear, the system is equipped with 3+1 fan and 1+1 power redundancy to withstand single point of failure.

New Intel Xeon Scalable Processors with Built-in AI Acceleration

ES200 is one of Edge Computing platform series, which supports two Intel 3rd Gen Intel® Xeon® Scalable Processors (codename Ice Lake), with 80 cores, that provides 40% performance improvement. With built-in Intel Deep Learning Boost, ES200 is ideal for complex AI workloads. ES200 also supports Intel Software Guard Extension (SGX), which helps secure data and application code, and Intel Speed Select, which helps optimize specific workload such as NFVI.

Flexible Configuration for Various Edge Computing including AI Workloads

ES200 supports PCIe Gen4 which enables faster I/O speed for various edge applications. With flexible configurations of up to three PCIe Gen4 cards & two OCP NIC 3.0 cards, it is best suited for various AI workloads. With various storage modular design of different SKUs such as EDSFF, U.2 SSD the flexibility of system storage is ideal for different applications.

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 ES200		ES200-U	ES200-R
	Form Factor	2U	
	Processor	3rd Generation Intel® Xeon® Scalable Processors, TDP up to 270W	
	Processor Sockets	Two	
	Chipsets	Intel® C621A series	
	Security	TPM v2.0 (option)	
	System Bus	Intel® UltraPath Interconnect; 11.2GT/s	
	Memory	16 DIMM slots; DDR4 up to 3200 MT/s, and up to 64GB per DIMM; 12 DIMM slots with up to 2 DCPMMs (Intel Barlow Pass)	
	Storage	• One onboard 2280/22110 M.2 SSD Module slot	
		• Six U.2 (15/7mm)	• Eight EDSFF E1.S (5.9/9.5mm)
	Expansion Slots	Up to three PCIe Gen4 slots: • Two PCIe x16 FHFL Dual-width + One PCIe x8 FHHL • One PCIe x16 FHHL + Two PCIe x8 FHHL	
		Up to two on-board OCP 3.0 NIC x16	
	Management LAN	• One GbE Dedicated BMC Port	
	I/O Ports	• Power Button w/LED • UID Button w/LED • RST Button • Three USB ports • BMC Management port (front side) • VGA port (D-sub)	
	Physical Specifications		
	Dimensions	2U Rack; 87(H) * 438 (W) * 450 (D) (mm)	
	Power Supply	Hot-pluggable, Redundant (1+1) 1300W or 1600W (for U.2 SKU with GPU)	Hot-pluggable, Redundant (1+1) 1300W
	Fan	Four 8038 single rotor, Redundant (3+1)	
	Weight	14.47kg	
	Environment		
		Compliant with GR-63 • Operating Temperature: -5℃ ~ 55℃ • Transportation and Storage Environment Temperature: -40℃ ~ 70℃ • Operating Relative Humidity: 14% ~ 93% R.H. (non-condensing) • Transportation and Storage Environment Relative Humidity: ~ 93% R.H. (non-condensing)	

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