

WiRack21 Server

Wiwynn SV7220G3 Series

Performance optimized
2U 3Node OCP server for
computing-intensive
applications



Three Wiwynn SV7220G3 servers in a 2OU (Open Rack) space

Next Generation of Infrastructure to Fuel Cloud Applications

Wiwynn SV7220G3 Series features Intel® Xeon® Processor Scalable Family, which represents a major architectural leap forward in processor platform advancements. This new architecture delivers impressive performance gains of up to 4.2x higher scalability for virtualized workloads as compared with the 4-year-old systems widely used in the market today, allowing customers to run more diverse variety of workloads on each system.

Designed for Optimized Energy Utilization with Computing Power

Inherit the vanity free concept of OCP, this new generation of 2U3Node computing server realized the commitment of OCP to minimize infrastructure power and cost by removing unnecessary components. Hence, the SV7220G3 gets significant 28~40% higher performance per watts than traditional design servers.

Various SKUs for Computing-intensive Applications

The high density 2U3Node architecture is approved by OCP having the optimized power efficiency is widely deployed in hyper-scale datacenters for computing-intensive applications. Wiwynn SV7220G3-S, the latest product based on this architecture, is your best choice. Another advanced model, SV7220G3-V with four 2.5" drive trays offers enhanced I/O performance.

Hot-plug Server and Front-access I/O for Easy Installation and Maintenance

Through simple, innovative and improved cable management and efficient thermal design, this hot-plug server allows easy replacement and maintenance. 80% of the service parts of SV7220G3 can be easily replaced in 3 minutes

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

v2.0

Model : Wiwynn SV7220G3 Series

SV7220G3-V

SV7220G3-S



Processor, Memory and Chipset

Processor	Intel® Xeon® Processor Scalable Family
Memory	Up to 768GB; 8GB/16GB/32GB DDR4 up to 2666MT/s; 12 DIMM slots
Chipsets	Intel® C621 series <ul style="list-style-type: none"> • Integrated Intel® QuickAssist Technology • TPM 2.0 • RAID 0/1/10
System Bus	Intel® UltraPath Interconnect; 10.4GT/s; 9.6 GT/s
Processor Sockets	Two per node (3 server nodes in a 2 OU shelf)

Storage and I/O

Storage	Four 2.5" hot-plug drive bay per node: <ul style="list-style-type: none"> • SAS/ SATA HDD M.2 SSD Module • 1 (Option on carrier card) 	One 3.5" hot-plug drive bay per node: <ul style="list-style-type: none"> • SAS/ SATA HDD M.2 SSD Module • 1 (Option on carrier card)
Expansion Slots	Two (PCIe x16) FHHL slots, or One (PCIex16) and two (PCIex8) slots One OCP Mezzanine card (PCI-e x16) for: <ul style="list-style-type: none"> • Single/Dual 10GbE DA/SFP+ ports (option) • Single/Dual 25GbE SFP28 ports (option) • Single/Dual 40GbE QSFP ports (option) 	
VGA	ASPEED AST2500 BMC chip	
Remote Management	IPMI v2.0 Compliant, iKVM,Wiwynn Cluster Manager	
LAN	One 1GbE LAN port	
Operating Environment	TBD	
Thermal Design Powers	145W	

Power Supply, Physical and Packaging Specifications

Power Supply	Centralized OCP Power Shelf
Form Factor and Dimensions	20U (Open Rack); 174 (W) x 880 (D) x 89 (H) (mm)
Weight	6.9 kg ~ 7.3 kg

OS

Support List	VMware ESXi 6.0, Windows® Server 2012 R2,RedHat® Enterprise Linux® 7.0
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