wiwynn®

WiRack21 Server
Wiwynn SV7100G2

Flexible and high-density 4U16Node OCP server for computing-intensive applications

Advanced Server-Class Intel® Xeon® D Processor (Skylake-D) for Data Center

Wiwynn SV7100G2 features Intel® Xeon® D Processor (Skylake-D), which is a highly integrated systems-on-chip (SoCs) supports numerous x86 computing cores with chipset capabilities (PCIe 3.0, SATA 6G, USB 3.x) and network controllers for 10 Gigabit Ethernet (10GE). Intel® Xeon® D Processor, with Skylake-SP cores, delivers best socket perf/watts. In addition, it also features memory capacity of up to 512GB and AVX 512 to enhance security.

Designed for Flexibility and High Density

SV7100G2 is a 4U16N server, each node is vertically installed with a baseboard inside the tray, this new architecture supports up to four 1S server cards in a tray. This system will be fully compatible with Open Rack v2, and can accommodate up to 192 SoC server nodes in a single 42U open rack.

Moderate Computing Power

Leverage the advantage of SoCs platform, this system also ensure lower power consumption at edge data centers. Each of the four servers can connect to either a 50G or 100G multi-host NIC.

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

SV7100G2's modular design supports non-stop service which may allow servers to operate, and don't need to be powered down when the sled is pulled out of the chassis for components to be serviced. Through simple, front-access design, this hot-plug server allows easy replacement and maintenance.

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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 SV7100G2

SV7100G2

Processor, Memory and Chipset	
Processor	Intel ® Xeon® D processors
Processor Sockets	4U16N, SoC
Memory	512GB DDR4; up to 2666 MT/s; 8 DIMM slots (per node)

Storage and I/O	
Storage	48 M.2 modules (3 per node)
Expansion Slots	4 OCP Mezzanine x16 (1 per drawer)
Remote Management	IPMI v2.0 Compliant, iKVM, Wiwynn Cluster Manager (option)
CPU TDP	85W

Power Supply, Physical and Packaging Specifications	
Power Supply	12.5V DC bus bar
Form Factor and Dimensions	4U vCubby, 189 (H) x 537 (W) x 803.3
Weight	80kg

OS	
Support List	CentOS 7.4

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