



OPEN COMPUTE

Wiwynn SR1000G2 Series

Wiwynn WiRack21's
Smart Rack with
intelligent power shelf
management

Centralized power shelf for better power efficiency

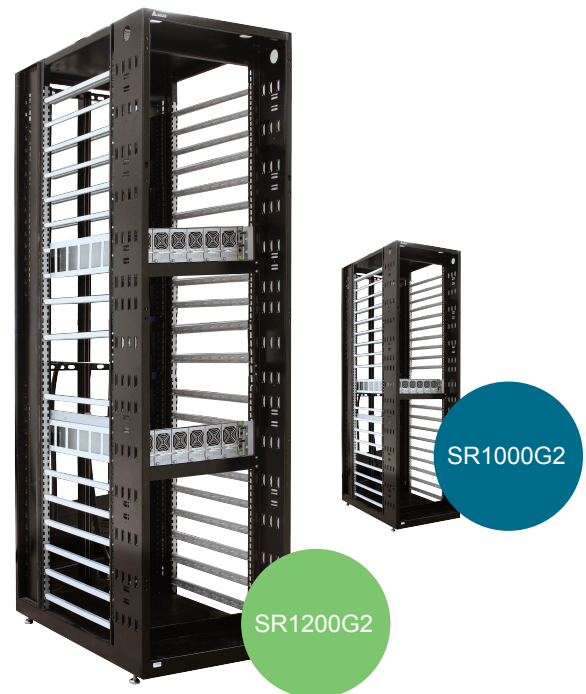
Wiwynn SR1000G2 has a centralized power shelf (SR1200G2 has two power shelves) on rack instead of multiple power supply units in the server chassis. All nodes share these centralized power shelf, thus, providing higher energy efficiency while lowering capital costs. Compared to conventional 19-inch rack, this has more space with higher computation density, greater storage capacity and increased airflow for improved cooling efficiency.

Open Rack design to simplify power cabling and maintenance

With the signature bus bar and tool-less rack designs, cabling and maintenance efforts for Wiwynn SR1000G2 Series are reduced to a minimum, enabling our customers to focus more on improving rack deployment, configuration efficiency and further reduction of OPEX. As a matter of fact, a data center full of vanity-free Wiwynn WiRack21 servers can be 38% more efficient and 24% less expensive to build and run than other state-of-the-art data centers.

Optimum power utilization through remote manageability

Through the optional Wiwynn Rack Management Controller (RMC), data center administrators can remotely monitor rack-level power utilization and PSUs health. RMC also allows the administrators to turn individual PSU on/off and change whole-rack power policy from a remote location. In case of critical events, RMC can notify administrators via multiple channels. Furthermore, RMC can intelligently control and excise the PSUs in the power shelf to keep power conversion efficiency in an optimized level.



Extensibility to incorporate with modern DCIM functionalities

The optional RMC provides multiple industry- standard interfaces that allow data center administrators to integrate it with their own data center infrastructure management (DCIM) functionalities. Wiwynn Cluster Manager, Wiwynn's DCIM product, works seamlessly with RMC using RMCP+. The RMC extends Cluster Manager's ability by providing additional information and controls. For example, Cluster Manager coordinates workload migration among racks to optimize power utilization for the whole data center.

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 SR1000G2 Series

Mechanical		SR1000G2	SR1200G2
Form Factor	21" Open Compute Rack		21" Open Compute Rack
Rack Height	2220 mm		2220 mm
Rack Width	600 mm		600 mm
Rack Depth	1066.8 mm		1066.8 mm
Rack Weight	242Kg (dry weight)		272Kg (dry weight)
Space			
Rack Inner Space	43 OU (including one 3.5U power shelf and BBU, 2U switch and 0.5U bracket)		
Power Shelf (One module)			
AC Type	3P4W 180~264 VAC 50A		
AC Plug	Hubbell		
DC output type	Bus bar		
Total Supply Power	9.9 KW, (2+1)	19.8 KW, 2 x (2+1)	
Power Supply	(2+1) Delta 3300W 12V output;	2 (2+1) Delta 3300W 12V output	
Power Supply DC Output	12V		
Power Supply Efficiency	Up to 90% efficiency		
Power Supply Power Factor	0.95 plus		
Regulatory	UL60950-1 / EN60950-1:2006 / IEC60950-1/		
Support Bracket			
Support Bracket	18 sets of support brackets in one rack to provide eighteen 2U space for devices.		
RMC Manageability Features			
Integrated Embedded Controller with Gigabit Ethernet for remote manageability			
Management of rack information (voltage, watt, current, fan, status)			
Monitoring of power supply unit and cooling fan health status			
Controlling PSU on/off, fan speed			
Instrumentation on power output and power efficiency			
Statistics of meters / event Logs			



8F, 90, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City, 22102, Taiwan, R.O.C.
 Telephone: 886-2-6615-8888 Email: sales@wiwynn.com
 Local Toll Free: 0800-588-300

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