



■ Overview

The Rubisec RS-SRV-2U2S-G3 Series is a high-performance 2U dual-socket rack server designed for modern data centers and enterprise workloads. It supports one or two 4th and 5th Gen Intel® Xeon® Scalable processors, delivering strong performance and scalability.

With an 8-channel DDR5 memory architecture, it supports up to 4800 MT/s (up to 5600 MT/s with EMR), offering up to 50% higher memory bandwidth for virtualization and memory-intensive applications.

The system provides excellent expandability with up to 7 PCIe 5.0 slots and supports up to 24 hot-swap NVMe, SAS, or SATA drives, enabling flexible high-performance and high-capacity storage configurations.

Featuring redundant power supplies with up to 96% efficiency and reliable operation from 0°C to 45°C, the RS-SRV-2U2S-G3 Series is ideal for VMS, virtualization, databases, AI, and mission-critical enterprise applications.

■ Key Features

- Open ecosystem server architecture compliant with OCSP standards
- Advanced OpenBMC-based management for full lifecycle control
- High-capacity memory support with up to 24 DDR5 DIMM slots
- Flexible storage design supporting up to 24 hot-swap drives
- Extensive expandability with up to 7 PCIe slots
- Service-friendly design featuring tool-less access and hot-swappable critical components

■ Technical Specifications

Product Model	RS-SRV-2U2S-G3
System Size	2U chassis 87mm (height) x 447.4mm (width) x 800mm (depth) (excluding security panel) W
Processor	Supports up to 2 Intel® Xeon® 4th/5th Gen Scalable Processors, with a maximum of 64 cores per processor and a maximum power of 350W each, support HBM.
Memory	Supports up to 24 DDR5 memory slots, with a maximum speed of 5600MT/s, and RDIMM support, max 3TB. Support CXL 1.1(Optional)
Chipset	C741
Storage Controller	Optional high-performance RAID controller supporting RAID 0/1/10/5/6/50/60.
Storage Expansion	<ul style="list-style-type: none"> · Up to 24 hard drives · Supports up to 12 x 3.5" drives (12 front) · Supports up to 22 x 2.5" drives (25 front) · Supports up to 24 x NVMe U.2 drives (24 front)· Supports up to 2 LFF/SFF hard drives (rear) · Optional 2 x 480 SATA SSD or 1 x NVMe M.2 SSDs
PCIe Expansion	<ul style="list-style-type: none"> · Up to 7 PCIe expansion slots · Supports 1* OCP 3.0 slots
GPU Support	Supports up to 2 dual-width GPU cards (maximum 450W per card)
Management Software	Integrated BMC management chip AST2600, supports IPMI 2.0, Redfish, SOL, KVM, Virtual Media, and more.
Network	<ul style="list-style-type: none"> · Onboard 1 x GbE dedicated management port · Supports 1 x OCP 3.0 NIC · Optional network adapter based on standard PCIe slots
I/O Interfaces	<ul style="list-style-type: none"> · Standard 1 x RJ45 management port, 1 x rear VGA port, 3 x USB ports (1 front, 2 rear) · Optional expansion card with 2 rear USB ports, 1 USB Type-C management port, 1 RJ45 management port · Left ear: 1 x USB 2.0, optional 2 x USB 3.0
Security	Supports chassis intrusion detection, Intel PFR 3.0 and SGX 2.0 security technologies, and TCM/TPM security modules.
Power Supply	Optional 1300W/1600W/2000W CRPS standard power supplies, supporting 1+1 redundancy.
Operating Temperature	0°C to 45°C (operating temperature varies based on configuration, please refer to the product technical documentation for details).

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