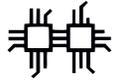


CRYSTAL GROUP FG2 2600 SERIES 2U SERVERS



Single
or dual
processors



48 cores



Up to six low-
profile PCIe
slots



M.2: 2
NVMe: 8
SATA: 16



AC or DC
power



Up to 2TB
DDR4 ECC
SDRAM



TAKE REAL-TIME AI & ML FROM THE DATA CENTER TO THE EDGE

Equipped with up to four state-of-the-art GPUs and two Intel® Xeon® Scalable or AMD EPYC™ processors in an unmatched rugged design, the FG2 2600 Series servers deliver exceptional reliability and Tensor Core performance at the tactical edge. Up to eight NVMe or sixteen SATA/SAS drives can be configured for CSfC data storage for applications requiring FIPS 140-2 certification.

Designed to handle challenging, yet critical inference obstacles, the extreme, scalable compute power of the FG2 2600 Series brings ultra-low latency and seamless operation to the most volatile, mission-critical conditions when real-time situational awareness and AI can't be compromised. InfiniBand I/O connectivity provides critical, rapid data transfer for low-latency backhaul applications.

This NVIDIA-Certified System is validated for optimal performance, manageability, security and scalability.

Crystal Group provides a 5-year warranty and forward-looking configuration management to enhance the long-term investment of your compute solution.

USE CASES

- Battlespace management and visualization
- Command and control communications
- Intelligence gathering and processing
- Data storage server
- Sensor fusion for air and ground vehicles
- Leader-follower autonomous vehicles
- GPU server
- Virtualization platform

CRYSTAL GROUP FG2 2600 SERIES TECHNICAL SPECIFICATIONS

Mechanical	Height: 3.5" (8.89 cm) Width: 17.5" (44.45 cm) Depth: 19" (48.3 cm) or 22" (58.88 cm) Weight: 32–38 lbs (14.51–17.23 kg)
Mounting	Glides, fixed mount (front and rear), or Jonathan rails
Power Supply	800WAC, 1005W 18–36VDC, or 1200W AC 1+1
CPU Architecture	5th Generation Intel Xeon Scalable or AMD EPYC 9004 series processors Up to 48 core per socket (motherboard dependent)
Memory	16GB–2TB DDR4 ECC SDRAM (motherboard dependent)
Expansion	Up to six low-profile PCIe slots
External Bays	Option 1: Up to 16 SATA or SAS SSDs Option 2: Up to 8 U.2/U.3 NVME SSDs Optional optical drive
Software Compatibility	Windows 11, Windows Server, VMware, Linux

ENVIRONMENTAL TESTING STANDARDS

Environmental Engineering Considerations and Laboratory Tests	Method 500, Altitude: 12,500 ft. operation, 40,000 ft. transport ²
	Method 501, Operational Temperature, high: Procedure II: +50°C, two-hour dwell, four cycles ¹
	Method 502, Operational Temperature, low: Procedure II: -30°C, two-hour dwell, four cycles ¹
	Method 503, Thermal Shock: Procedure II: 10 cycles, -40°C to +55°C, 15-min dwell, <1-min transfer time ²
	Method 507, Humidity: Procedure II: 240 hours with optional conformal coating kit ¹
	Method 508, Fungus: 28 days, mixed spore, 30°C 95% RH ²
	Method 509, Salt fog: 48-hour test ²
	Method 510, Sand-Dust: Procedure I: Blasting dust, 12 hours ²
	Method 513, Acceleration: Procedure II: 9g ²
	Method 514, Vibration: Procedure I: 4.7G, 5–2,000Hz, 60 min/axis, 3 axis ¹
Method 516, Shock: Procedures I & V: 40G, 11ms, 18 pulses, 3/axis both directions ¹	
MIL-STD-1474E	Acoustic Noise, Requirement S, Grade A3 ²
MIL-STD-167-1A	Ship Vibration, Type 1 ¹
MIL-S-901E	Shipboard Shock, Class II, A/B ²

ELECTROMAGNETIC COMPATIBILITY STANDARDS

MIL-STD-461	EMI/EMC, RE102, CE102; Surface ship, below deck, and ground ¹
RTCA/DO-160	Aircraft and airborne equipment, Category M ²

In-house test reports provided for baseline units; customer-specific test options available upon request.

1: Test report available

2: Testing in progress

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