Field-tested, fail-safe, and long-life performance in extreme conditions. The IS2502 industrial server is designed for demanding applications that require high-performance computing and high-capacity data storage. Constructed with a rugged, all-aluminum chassis and state-of-the-art thermal management, this powerful, compact server delivers seamless performance in the most harsh, unpredictable environments. It also meets strict environmental emission standards for an eco-friendly solution.

As processing performance improves, we continue to minimize the SWaP envelope of the IS2502 to deliver high-end computing performance in a 2U, 19" chassis.

Innovative solutions. Our portfolio of rugged and industrial computing products are engineered and tested to withstand challenging environments, meet or exceed industrial standards, and provide the latest COTS technologies to best manage cost, availability, scalability and flexibility.

Dependable services. When a computing application requires a custom solution, Crystal Group delivers with vertically-integrated services, including product design and development, testing, systems engineering and integration, mechanical and electrical engineering, configuration management, and product life-cycle planning.

Dedicated support. Our expert staff and global network provide fast, effective product support when and where it is needed. Count on Crystal Group for prompt response times, quick turnarounds, 5+ year warranties, and quality service around the clock and around the globe.

FEATURES

- Lightweight aluminum construction at 15-25 lbs.
- Easily mounted on ball bearing slides
- Up to 128GB of memory
- Industrial 2U, 19" depth
- Intel® 10th Gen Core or Xeon W-1200 processors
- Modular design allows for easy reconfiguration and versatility

A clear advantage.

Specifications

Mechanical

Height: 3.5" (8.89 cm)
Width: 16.93" (44.45 cm) EIA-310 rack compliant
Depth: 19" (48.26 cm)
Weight: 15–25 lbs. (6.8-11.3 kg)

CPU
Intel® CPU architecture options from Intel embedded long-life roadmap

Intel® 10th Gen Core i3/5/7/9
Intel® Xeon® W-1200 series

Expansion

One full-height, 3/4-length slot
One low-profile PCIe 3.0 x16
One low-profile PCIe 3.0 x4 (x8 mechanical)
One low-profile PCIe 3.0 x4

Memory

8–128GB, ECC, DDR4

Mounting

EIA rack-mounted, ball bearing slides

Power Supply

460WAC

Environmental Standards

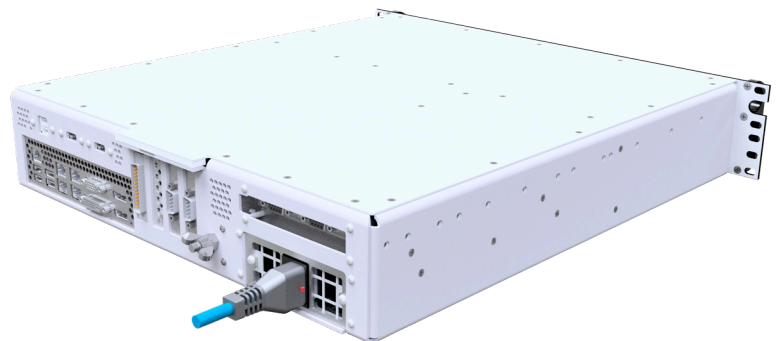| |
|---|
| Operational Temperature: -10°C to +50°C |
| Temperature Storage: -30°C to +75°C |
| Humidity (with optional kit): 48 hrs, 5–95% RH 25–65°C |
| Vibration: 5–2000Hz, 1.5GRMS, 75 minutes per axis |
| Shock: 20g, 11msec; 3 shocks each axes, each direction |

Electromagnetic Compatibility Standards

FCC Class A

Cooling

Redundant, high-speed, high-volume fans; CPU temperature controlled

System Board

SuperMicro X12SCZ-TLN4F, 2X 1G LAN, 2X 10G LAN, IPMI W/VGA, DVI-D, 2X DP, 4X USB 3.2
Advantech ASMB-587, 2x 1G LAN or 4X 1G LAN, IPMI, VGA, DVI-D, HDMI, 4x USB 3.2, Audio

Software Compatibility

Supports Windows 10®, Windows 11®, Windows Server, VMware®, or Linux®

AS9100D CERTIFIED ISO 9001