



Field-tested, fail-safe, and long-life performance in extreme conditions. The IS1200 industrial server is designed for demanding applications that require high-performance computing and high-capacity data storage. Constructed with rugged, all-aluminum chassis and state-of-the-art thermal management, these powerful, compact servers deliver seamless performance in the most harsh, unpredictable environments. In addition, these industrial servers meet strict environmental emission standards for an eco-friendly solution.

As processing performance improves, Crystal Group continues to minimize the SWaP envelope of the IS1200 to deliver high-end computing performance in a 1U 20" chassis.

Innovative solutions. Crystal Group's portfolio of rugged and industrial computing products are engineered and tested to withstand challenging environments, meet and 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 and 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—15 - 19 lbs.
- Easily mounted on ball bearing slides
- Up to 128GB of memory
- Industrial 1U, 13" depth
- Intel® Atom C3758 processor
- Modular design allows for easy reconfiguration and versatility

A clear advantage.

Specifications

Mechanical
Height: 1.75" (4.45 cm)
Width: 16.93" (44.45 cm) EIA-310 rack compliant
Depth: 13" (33.02 cm)
Weight: 15 - 19 lbs. (6.8 - 8.6 kg)

CPU
Intel® CPU architecture options from Intel embedded long-life roadmap
Intel® Atom C3758
Eight cores at 2.2GHz

Expansion
One full-height, 3/4-length slot

Memory
8-128GB, ECC, DDR4

Mounting
EIA rack-mounted slides: Mounted on ball bearing slides

Power Supply
300W

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 25-65C
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
Advantech ASMB-260, single Intel Atom C3758, 1x LAN, 1x RS232, 1x VGA, 2x USB

Software Compatibility
Supports Windows 10®, Windows Server, VMware®, or Linux®



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