DreamSpeed Series

Versatile 1U Open Platform for Network Architectures

- Most Integrated 1U in small form factor
- Dual Front-Access 10/100 Base-Tx Ethernet Support
- Hard Disk / CompactFlash Options
- Turnkey System



DREAM. DESIGN. DEPLOY. As an open platform, DreamSpeed can be configured into nearly any type of dedicated turnkey server solution deployed in most Internet infrastructures built by today's new network architects.

Server Survival

Competition within the global service provider community is breathtakingly intense, to say the least. As data traffic continues to rise at an inconceivable rate, service providers scramble to accommodate demand without incurring huge costs and loss of valuable rack and floor space. What's a service provider to do? One possible solution is to inject more power into an even smaller work environment by dramatically boosting the number of high-density servers deployed in the network.

Open Solutions Across the Network

Drawing from its expertise in small form factor technology, Kontron introduces DreamSpeed, an innovative 1U open platform solution that is configurable to perform server functions at nearly every network level of an Internet infrastructure built out for B2B e-commerce sites, portals, server farms and ISP/ASP data centers. Targeted at independent hardware/software vendors and next-generation Application Providers (APs), DreamSpeed is a turnkey solution that dramatically shortens product development time. The design possibilities are limited only by your imagination.

At the Core

DreamSpeed is the most densely integrated 1U today, designed with high performance, Intel-based processing power and up to three PCI expansion slots. Only 18" deep, DreamSpeed is an extremely easy fit in any 600 mm deep rack and, as a slim 1U, can be stacked 42 units high in one cabinet. Throw in added convenience with two front-access 10/100 Base-TX Ethernet ports for fast and efficient cable maintenance, and an option for two 3.5" hard disk drives for possible RAID Level 1 support.

Open 'All-The-Way' Architecture

The introduction of DreamSpeed is the first milestone in the Kontron initiative to provide an open applications platform on which the communications industry can build a wealth of imaginative and useful add-ons to service the real needs of an Internet market. Designated under the name of OCAP™ (Open Communications Application Platform), this project will provide numerous advantages such as ease of integration, interoperability and streamlined development. The bottom line is OCAP™ empowers independent hardware/software vendors, VARs and next generation APs to focus on their areas of expertise and add real value to new hardware-based solutions.

Specifications
... learn about the tremendous feature set

DreamSpeed Series

Specifications:

Mechanical Specifications
- 1.75" (44mm) Height
- 16.90" (430.2mm) Width
- 18" (457.2mm) Depth
- 21 lbs / 9.6kg approx. (with power supply)
- Cold roll steel (CRS) with zinc plating, Metallic / Silver grey coating
- Painted Silver finish

Environmentanl Specifications
- Six ball-bearing fans, Power supply exhaust fan, washable filter
- Rackmount 19"
- Operating temp. / humidity: 0-50°C / 5-90% @ 40°C
  32-113°F / 5-90% @ 104°F
- Storage temp. / humidity: -40 - 70°C / 0-95% @ 40°C
  -40 - 158°F / 0-95% @ 104°F
- Operating altitude: 10 000ft (3 048m)
- Storage / Transit: 30 000ft (9 144m)
- Shock Operating: 15G max. at 11ms duration, 3 axis both sides
- Shock Storage: 30G max. at 11ms duration, 3 axis both sides
- Vibration Operating: 10-58Hz(+/-0.075mm), 58-500Hz 1G, 3 axis
- Vibration Storage: 10-58Hz(+/-0.15mm), 58-500Hz 2G, 3 axis
- Acoustic Noise: < 60 dB at 1m in front of the system at full load



DS1210

DS1210

- 2 full-size PCI expansion slots
- 300 W ATX power supply
- Intel Pentium 4 CPU
- Based on Kontron PCI-951

System available with:
- Single or Dual Hard Disk
- Single Hard Disk and DVD/CD-RW
- Floppy
- CompactFlash

Regulation Specifications
- US: UL 60950 3rd edition, FCC 47 CFR Part 15, Class B
- Canada: CSA22.2 No. 60950-00, ICES-003 Class B
- Europe: CE Mark EN60950, CISPR22; CE Mark to EN55022 Class B, EN61000-3-2, EN61000-3-3/EN55024

DS1310

- 2 full-size PCI / 1 half-size PCI expansion slots
- 200 W ATX power supply
- Intel Pentium III CPU
- Based on Kontron PCI-949

System available with:
- Single or Dual Hard Disk
- Single Hard Disk and DVD/CD-RW
- Floppy
- CompactFlash

Regulation Specifications
- US: UL 60950 3rd edition, FCC 47 CFR Part 15, Class A
- Canada: CSA22.2 No. 60950-00, ICES-003 Class A
- Europe: CE Mark EN60950, CISPR22; CE Mark to EN55022 Class A, EN61000-3-2, EN61000-3-3/EN55024

DS1220

- 2 full-size PCI expansion slots
- 300 W ATX power supply
- Dual Intel Pentium III CPUs
- Based on Kontron PCI-990

System available with:
- Single Hard Disk
- CompactFlash

Regulation Specifications
- US: UL 60950 3rd edition, FCC 47 CFR Part 15, Class B
- Canada: CSA22.2 No. 60950-00, ICES-003 Class B
- Europe: CE Mark EN60950, CISPR22; CE Mark to EN55022 Class B, EN61000-3-2, EN61000-3-3/EN55024

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