

TS1100 1U Telco Server Platform - AMD Version



Product Datasheet

The TS1100 (AMD Version) platform is a 1U Telco Server featuring a single AMD dual core CPU. The rugged carrier grade steel chassis include six 13,000 rpm 40mm fans for superior cooling with redundancy. Air filtration is provided in a screw-on front bezel, which also has provisions for customer branding.

The chassis supports a full height and full length (12") PCI card standard. With two high speed fans specifically directed at this large card space, large higher wattage cards can be installed with confidence.

A dual-feed DC power supply (400W) is standard, providing system continuity during battery maintenance windows. AC power is optionally available.

Two front facing 3.5" hot-swap disk drive bays accommodate SATA or Compact Flash drives. (Additional drives available by special order). The SATA drives are rated 10K RPM with 1.2M Hours MTBF in 100% duty cycle operation. This provides SCSI/SAS speed and reliability with SATA value and capacity. An optional DVD drive can also be installed.

TS1100 platforms can be configured to support other CPU speeds, memory and drive alternatives – contact PDSi with requirements.



Key Features

- Cost effective, rugged design
- 1U, 20 inch deep chassis fits telco racks
- High performance AMD Opteron dual core CPU
- 2 front-accessible hot-swappable SATA HDD's
- Optional DVD and Compact Flash drives
- Redundant high-speed fans for superior cooling
- Brandable front bezel with filter
- Accepts 1 full-size PCI card
- Dual-feed DC power, AC available
- Extended platform availability
- RoHS compliant

Turnkey Services

PDSi offers a range of services for OEMs and independent software vendors (ISVs) seeking robust x86-based platforms on which to deliver their value-added solutions:

- Platform Customization
- Validation & Certification
- Solution Integration
- Extended Warranty
- Service and Support
- Lifecycle Extension

Processor	1 x AMD Opteron 1216HE, 2.4GHz
Chipset	nVidia MCP55 Pro
Memory	up to 4GB Registered ECC DDR2, 800 Mhz
Motherboard	Supermicro H8SMi-2
PCI slots	One full-height, full length slot, horizontal.
Drives	Up to 2 x 3.5" hot-swap SATAII drives, 160GB, front-accessible
Flash	Optional 4GB Compact Flash instead of one 3.5" drive.
DVD	Optional slimline CD/DVD-RW
System Management	Optional management card, supports IPMI v.2.0
Cooling	6 fans (4@ 40x28mm, 2@ 40 x56mm) Front to rear airflow Front bezel with filter
Power	-48V DC, dual feed, 400W Single feed AC available, 500W



H8SMi-2
Motherboard

Front Panel

USB	1 port
LEDs	Power, HDD, LAN x2
Buttons	Power, Reset

Rear Interfaces

Gb Ethernet	2x RJ45 (nVidia MCP55 Pro)
Serial	2x DB9 (Winbond 83627HF)
VGA Video	1 x DB15 (ATI ES1000 16MB graphics)
USB	2 ports
Keyboard/mouse	PS2 ports

Compliance RoHS Directive 2002/95/EC

Operating Systems Linux, Windows, Solaris x86

FormFactor 1U Rackmount

Dimensions 17.25 in (W) x 20 in (D) x 1.75 in (H)

Temperature Operating: 5 to 40 degC
Non-operating: -40 to +70 degC

Humidity 5% - 90% non-condensing



Ordering Guide

To configure OPN:

Description

TS11- xx -1A- x - x - x - x - x

1U Carrier Grade Server, AMD version

Compact Flash Drive

0	none
C	4 GB (replaces 1 drive)

DVD

0	None
D	DVD-RW/CD-RW

HDD

A	1 x SATA-300, 160GB, 3.5"
B	2 x SATA-300, 160GB, 3.5"

Memory

1	2GB
2	4GB

Alarm Module

0	None
M	IPMI 2.0 Management module

Power

A1	Single-feed AC 500W
A2	Dual-feed DC 400W