

AdvancedTCA® RTM with Video + Storage



Product Datasheet

AdvancedTCA®

PDSi's **Video + Storage ATCA Rear Transition Module (ATCA-RT01)** provides high reliability SAS storage, VGA video output and additional I/O functionality for AdvancedTCA® systems using x86 processor blades from PDSi or Sun Microsystems. In addition, it also operates with Sun's UltraSPARC® T2-based Netra™ CP3260 blade. For systems requiring a mix of these compute blades, the ATCA-RT01 can provide a "universal RTM" solution.



The ATCA-RT01 complies with PICMG ATCA 3.0 specifications for seamless and dependable operation in critical applications.

It features a 2.5 inch SAS HDD for local storage as well front-panel access to the onboard SAS controller for connection to secondary or redundant storage arrays. Additional ports include VGA video output and USB I/O for convenient local monitoring or configuration of applications. Serial and Ethernet ports are also routed from the front blade so that all required I/O can be rear-accessible. The RTM includes Pigeon Point's module management.

Telecom, aerospace, and military OEMs will appreciate the flexibility this advanced RTM brings to their systems. Extended availability from PDSi is assured. PDSi can also provide customization, turnkey integration and support of ATCA systems, as well as extended warranty and repair services.

Key Features of the ATCA-RT01

- Compatible with x86 and Sun SPARC front blades:
 - ☑ PDSi dual AMD Opteron™ ATCA-F1
 - ☑ Sun Netra CP3220 (single AMD Opteron)
 - ☑ Sun Netra CP3260 (UltraSPARC® T2)
- VGA Video
- Onboard SAS Storage up to 146GB
- 2 x 10/100/1000 BaseT Ethernet ports
- 1 x Serial port
- 2 x USB ports
- Pigeon Point IPMC management
- VMWare Certified
- Extended availability assured

PDSi ATCA-F1 Dual AMD Opteron Blade

PDSi's ATCA-F1 blade and ATCA-RT01 RTM are VMWare-certified and targeted at the following industries and applications requiring the ultimate in computing capability and dependability:

- Telecom**
- Enterprise**
- Military**
- Aerospace**



- Video** ATI Rage XL with 8MB SDRAM
Supports VGA video up to resolutions of 1600 x 1200
- Ethernet** 2 x 10/100/1000 Base T ports (from front blade)
- USB** 2 x USB 2.0 ports
- Serial** 1 RS232 port (from front blade)
- SAS** LSI SAS 1064E 4 port SAS/SATA controller, accessible through front panel connector
- Storage** 2.5 inch SAS hard disk drive onboard.
HDD is removable and field serviceable

Front Panel

- Video** 1 x DB-15 VGA
- Ethernet** 2x RJ45
- USB** 2x USB Type A
- Serial** 1x DB-9
- SAS/SATA** 4X connector
- LEDs** Hot-swap, Out of Service, OK

Zone 3 Backplane Interface

- Compatibility** PDSi ATCA-F1 (x86)
SUN Netra CP3260 (SPARC)
SUN Netra CP3220 (x86)

Operating Systems

- Windows XP, 2003 & 2000 Server
- RedHat Enterprise Linux Server 4 & 5
- SuSe Linux
- Solaris 10 (x86)
- Solaris 10/05, 10/08 (SPARC)
- VMWare ESX 3.5 certified

System Management

- Pigeon Point IPMC

Compliance

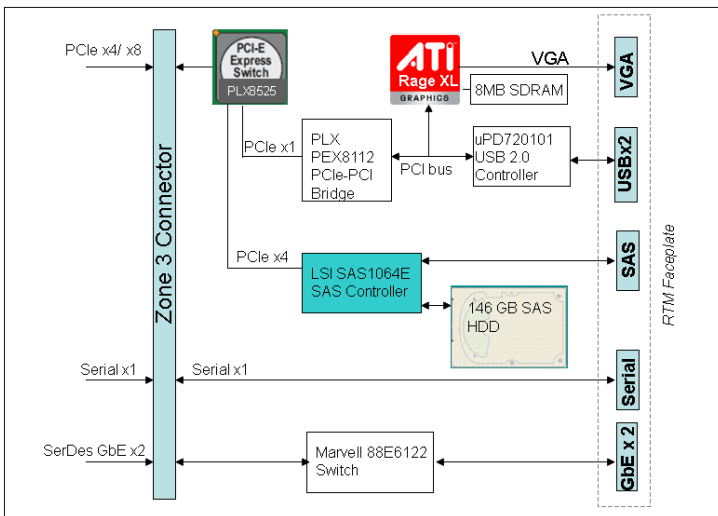
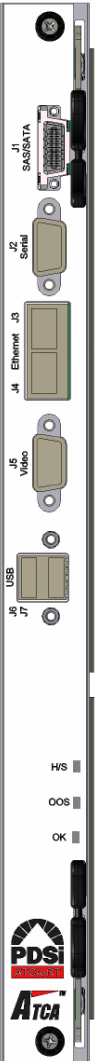
- PICMG ATCA 3.0 R2
- IPMI V2.0, IPMC,
- NEBS Level 3, ETSI
- RoHS Directive 2002/95/EC

FormFactor/ Dimensions

- PICMG ATCA Single slot 8U board
- 95mm(D) x 322mm(H) x 30.48mm(W)

Temperature & Humidity

- Operation : -5 to 55 degC
- 5% - 90% non-condensing



Ordering Guide		Description								
To configure OPN:	ATCA - RT - 0 1 - A - x - 0	ATCA RTM with Video + Storage								
(1) Select HDD Size		<table border="1"> <thead> <tr> <th colspan="2"><u>Hard Drive</u></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>none</td> </tr> <tr> <td>1</td> <td>73GB SAS</td> </tr> <tr> <td>2</td> <td>146GB SAS</td> </tr> </tbody> </table>	<u>Hard Drive</u>		0	none	1	73GB SAS	2	146GB SAS
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0	none									
1	73GB SAS									
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