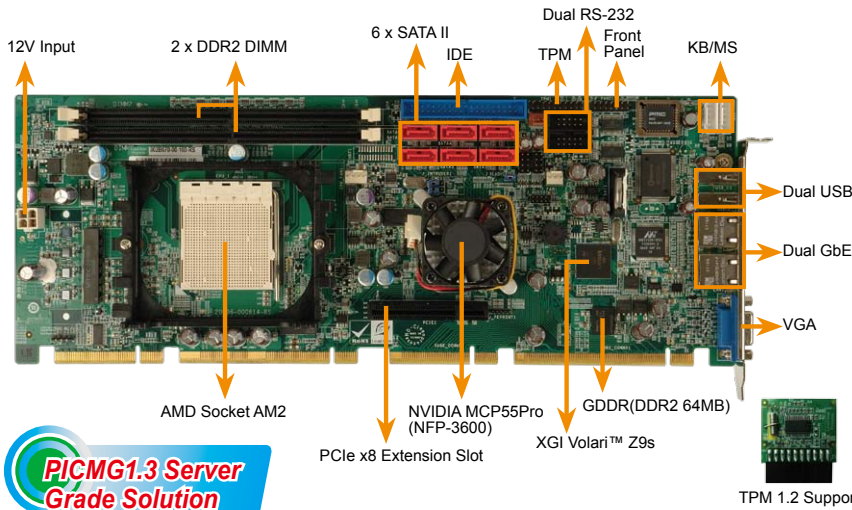
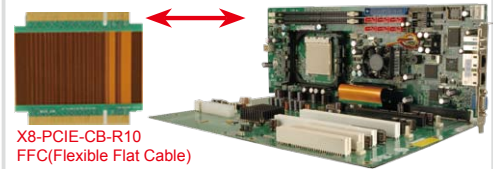


SPCIE-3600AM2

Full-size PICMG 1.3 CPU card supports AMD Socket AM2 Optron™, Athlon™ 64 X2, Athlon™ 64 and Sempron™ processors and comes with CRT output, dual GbE with fail over/load balancing, six SATA II with RAID function and ten USB 2.0



Earning extra PCIe x8 Bandwidth beyond 20 PCIe of PICMG1.3



IEI SPE / SPXE series backplanes

SPE-4S
SPE-6S
SPE-9S
SPXE-9S
SPXE-14S

Specifications

- ◆ CPU
Socket AM2 AMD Optron™, Athlon™ 64 X2, Athlon™ 64 and Sempron™ processors
- ◆ System Chipset
NVIDIA MCP55Pro (NFP-3600)
- ◆ BIOS
AMI BIOS Label
4Mb PLCC EEPROM
- ◆ Memory
Two 2.0 GB (max.). 240-pin 800 MHz, 667 MHz or 533 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 4GB) (ECC supported)
- ◆ Ethernet
2 x GbE (Marvell 88E1121/PHY) with Load Balancing and Fail Over support
- ◆ I/O Interfaces
2 x RS-232
10 x USB 2.0 (2 on bracket, four on SBC, four on backplane)
1 x IDE
6 x SATA II (RAID 0, 1, 10, 5, JBOD)
1 x Keyboard
1 x Mouse
- ◆ Digital I/O
N/A
- ◆ Display Interfaces
D-Sub Analog CRT Output via XGI Volari™ Z9s PCI graphic controller
- ◆ TPM 1.2
1 x 20-pin on-board header for TPM (Trusted Platform Module)
- ◆ Expansion
One PCIe x8 (for X8-PCIE-CB-R10)
- ◆ Audio
10-pin on-board header connects to the IEI AC-KIT883HD 7.1 channel HD Audio kit
- ◆ WDT
Software programmable, supports 1~255 sec. system reset
- ◆ Power Supply
ATX
- ◆ Power Consumption
3.3 V @ 4.83 A, 5 V @ 2.53 A, 5 Vsb @ 0.45 A, 12 V @ 0.2 A, Vcore @ 5.98A running 3DMark 2001 SE with an AMD Sempron™ 3600+ and one 1 GB 667 MHz DDR2 SDRAM DIMM
- ◆ Temperature
Operation: 0°C~60°C (32~140°F)
- ◆ Humidity
Operation: 5%~95% non-condensation
- ◆ Dimension
338 mm x 126 mm
- ◆ Weight
GW: 1.2 kg

ECC Support

DDR2 800



Features

1. PICMG1.3 with RoHS compliant
2. AMD® Socket AM2 support Optron™, Athlon™ 64 X2, Athlon™ 64 and Sempron™ processors
3. NVIDIA NFP-3600 server-grade platform supports 28 configurable PCIe lanes for flexible PCIe applications
4. On-board graphics unit provides VGA output
5. Two 2GB DDR2 dual-channel SDRAM DIMM with ECC checking are supported.
6. Dual GbE support fail over & load balancing
7. Six SATA II with RAID 0, 1, 10, 5, JBOD function supported

Packing List

| |
|--|
| 1 x SPCIE-3600AM2 single board computer |
| 1 x ATA 66 flat cable (P/N: 32200-000052-RS) |
| 1 x Mini jumper pack |
| 1 x Dual RS-232 cable (P/N:19800-000051-RS) |
| 6 x SATA cable (P/N:32000-062800-RS) |
| 3 x SATA power cable (P/N:32100-088600-RS) |
| 1 x USB cable (P/N: CB-USB02-RS) |
| 1 x Utility CD |
| 1 x QIG |

Ordering Information

| Part No. | Description |
|-------------------|---|
| SPCIE-3600AM2-R10 | Full size PICMG1.3 CPU card with AMD Socket AM2, NVIDIA NFP-3600 platform, analog CRT output, dual GbE, one IDE, six SATA II, ten USB 2.0 |
| X8-PCIE-CB-R10 | PCIe x8 connection board for SPCIE-3600AM2 |
| TPM-IN01-R10 | Infineon 20-pin trusted platform module with S/W management Tool |
| TPM-WI01-R10 | Winbond 20-pin trusted platform module with S/W management Tool |
| CF-519-RS | CPU cooler |
| CF-AM2-RS | CPU cooler |
| 19800-000066-RS | Keyboard and mouse cable with bracket |
| AC-KIT883HD-R10 | 7.1 channel HD audio kit with realtek ALC883 supports dual audio streams |
| 24105-000029-RS | AMD Athlon 64 X2 Dual-Core 3400+ 1.8GHz; 512KBx2, 1000MHz, TDP 35W, Socket AM2 (940 pins), RoHS |
| 24105-000052-RS | AMD Athlon 64 Single-Core 3000+ 1.8GHz; 512KBx2, 1000MHz, TDP 35W, Socket AM2 (940 pins), RoHS |

1

Industrial Computing Solutions

2

Embedded Computing Solutions

3

RISC-Based Embedded Solutions

4

Industrial Data Collector/Server Solutions

5

Video Capture Solutions

6

I/O Communication Solutions

7

Panel Solutions

8

Power Supply/Network Communication/Peripherals