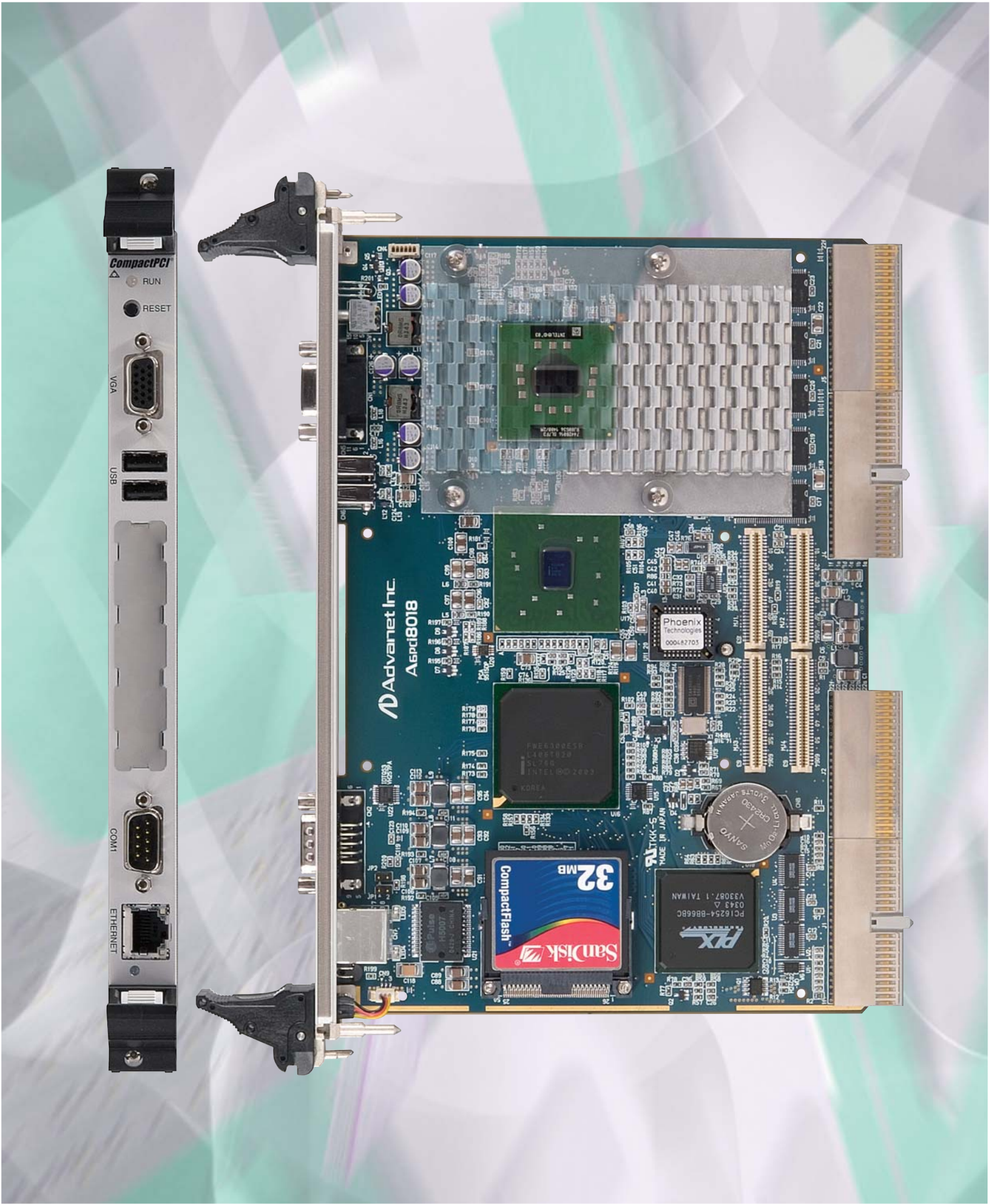
AGPCI8018

LV Pentium M CPU Board



A6pci8018

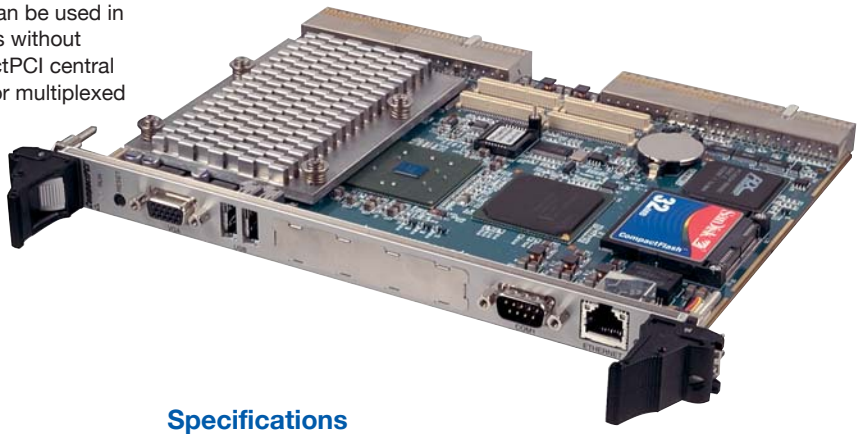
Pb FREE

CompactPCI®

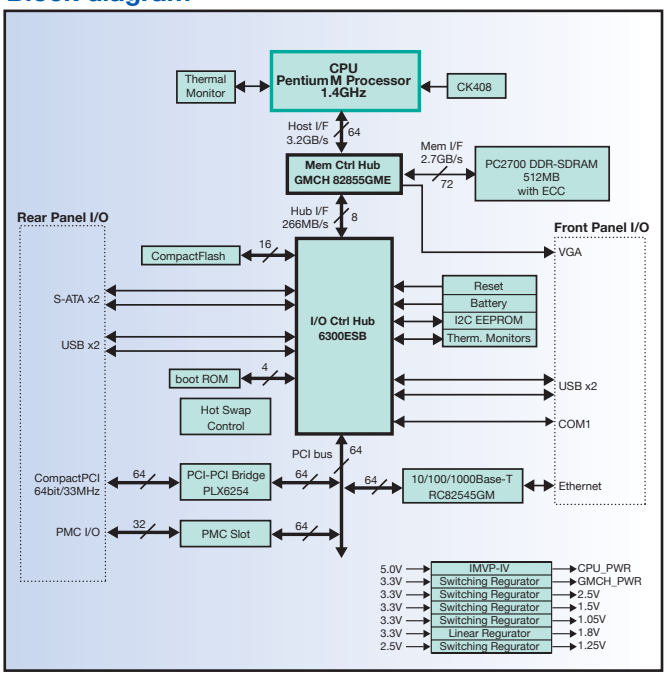
LV Pentium M CPU Board

Features

The A6pci8018 is a Compact PCI bus CPU board provided with Intel's latest mobile processor, the Intel Pentium M processor Low Voltage 738 (1.4 GHz operating frequency). The Pentium M processor Low Voltage 738 is engineered and manufactured with the latest 90mm processor architecture, and its thermal-designed power is kept to 10W when running at 1.4 GHz, which about half that of previous chips. Building on this feature, and with its single-slot width board size, the Adpci 8018 has a universal mode board and can be used in either slot of system or peripheral devices. While it goes without saying that the Adpci 8018 can be used as the CompactPCI central CPU, multiple boards can also be used for distributed or multiplexed CPU processing.



Block diagram



Specifications

CPU	Low-voltage Pentium M processor 738 1.4GHz
Main Memory	PC2700 DDR-SDRAM (with ECC feature) 512 MB on-board installation
Front panel I/O	Serial port: TIA/EIA-232E standard D-Sub9 pin/male connector Ethernet:10/100/1000 Base-T Graphics:UXGA (1600~1200) USB2.0 x 2
On-board I/O	PMC I/F:Single-size (3.3V 33MHz) CompactFlash
Rear panel I/O	USB2.0 x 2 Serial ATA x 2 (150 MB/s) PMC user I/O (PICMG2.3 R1.0 PMC on CompactPCI compliant)
External bus I/F	Bridge chip:PLX PCI6254 Signaling level: 3.3/5/0V, 64 bit data bus/33MHz)
Power Requirements	DC 5.0V and 3.3V 4A max (does not include PMC)
Board size	6U single slot
Operating environment	0~60°C

Rear panel I/O for A6pci8014

Arpio0805

Note: The following specifications and product appearance are subject to change for enhancement without notice.

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ISO14001
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