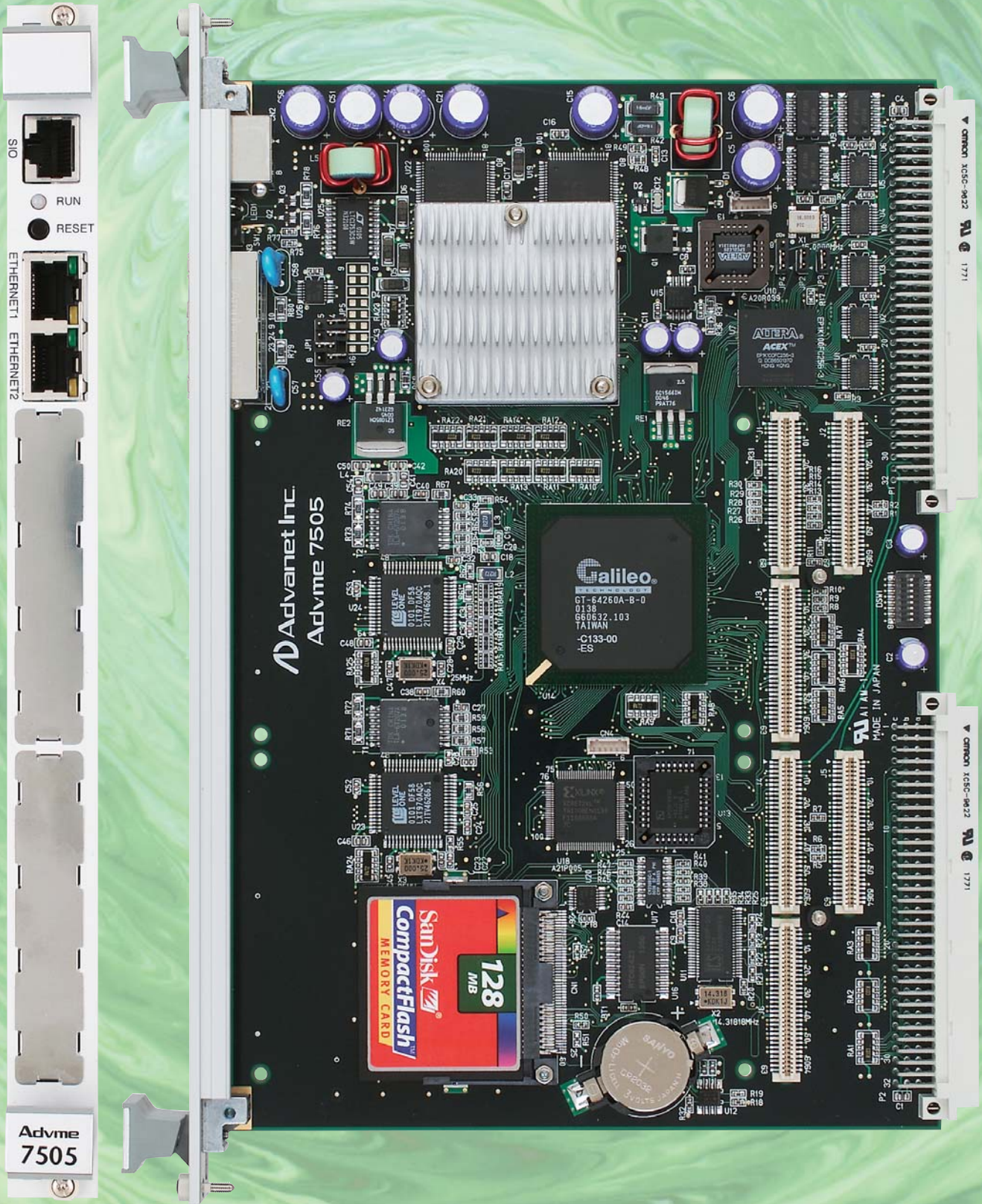


Advme 7505

PowerPC750/7410 CPU Board



Advme
7505

Advanet Inc.
Advme 7505

SanDisk
CompactFlash
128
MB
MEMORY CARD

Galileo
GT-64260A-B-0
G013
680632.103
TAIWAN
-C133-00
-ES

V CIRCUM XCS-9622
1771

V CIRCUM XCS-9622
1771

Advme7505

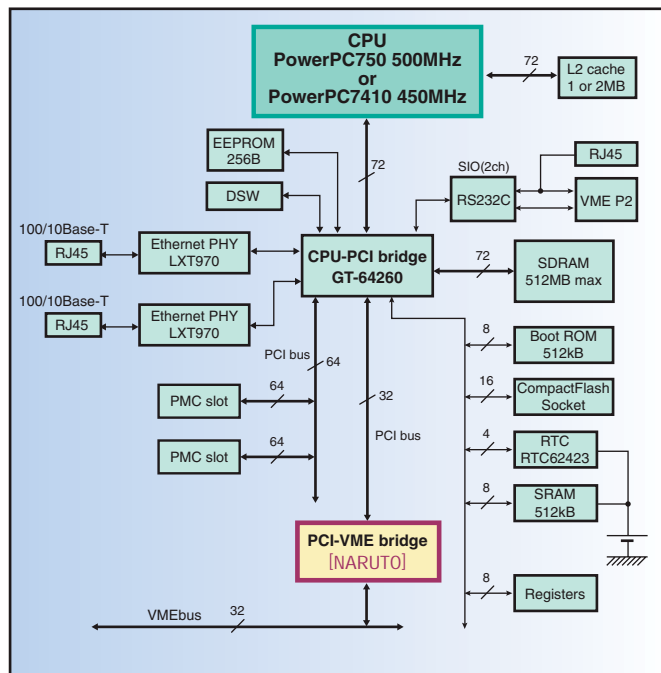
PowerPC750/7410 CPU Board

Features

- VME bus compatible CPU board with IBM PowerPC750 500MHz or Motorola PowerPC7410 400MHz
- 1MByte cache memory for high performance computing
- VME Bus Master/Slave function with GT64260 system controller
- 10/100Base-T Ethernet port and two-channel serial port, two 64-bit bus PMC slots
- CompactFlash socket to store application programs and data files
- Up to 512MBytes of SDRAM with 100MHz memory bus and ECC with GT64260 system controller
- Advanet original PCI-VME bus bridge enabling access from VME bus to use the main memory as a share memory
- 512KBytes of SRAM and real-time clock (battery backup)
- T4th boot monitor to load and start OS and application programs from CompactFlash
- Optional VxWorks BSP and boot ROM available



Block diagram



Specifications

CPU & Memory

- CPU : PowerPC750 500MHz or PowerPC7410 450MHz
- Memory : 128/256/512MBytes of SDRAM with ECC (Optional when placing an order)
- Boot ROM : 512KBytes of Flash memory (PLCC socket mounted)
- CompactFlash : 3.3V module support
* CompactFlash Module is optional.
- SRAM : 512KBytes (battery backup)
- EEPROM : 2Kbit Serial EEPROM

Peripheral

- Ethernet : Two-channel 10/100Base-T (RJ45) GT64260 built-in function
- Serial port : Two-channel (RJ45+VME P2) GT64260 built-in function
- Real time clock : EPSON RTC62423 (battery backup)
- PMC : Two 64 bit/33MHz VIO=5V single size slots

Bus interface

- PCI-VME bridge : NARUTO (Advanet original)
- VME bus : Rev.C.3 compliance, A32/A24/A16, D32/D16/ D08(E0)
System Controller Master/Slave
Interrupter, Interrupt handler

Power requirements

- DC5V only

Board size

- Double height and single slot width

Operating environment

- Operating temperature range : 0 to 60°C

Models

- Advme7505-G3(500)-128: IBM PPC750-500MHz 128MBytes of memory 1MByte cache
 - Advme7505-G3(500)-256: IBM PPC750-500MHz 256MBytes of memory 1MByte cache
 - Advme7505-G3(500)-512: IBM PPC750-500MHz 512MBytes of memory 1MByte cache
 - Advme7505-G4(450)-128: MotorolaPPC7410-450MHz 128MBytes of memory 2MByte cache
 - Advme7505-G4(450)-256: MotorolaPPC7410-450MHz 256MBytes of memory 2MByte cache
 - Advme7505-G4(450)-512: MotorolaPPC7410-450MHz 512MBytes of memory 2MByte cache
- * CompactFlash is optional for all models.

Please consult us regarding your specific custom requirements



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

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