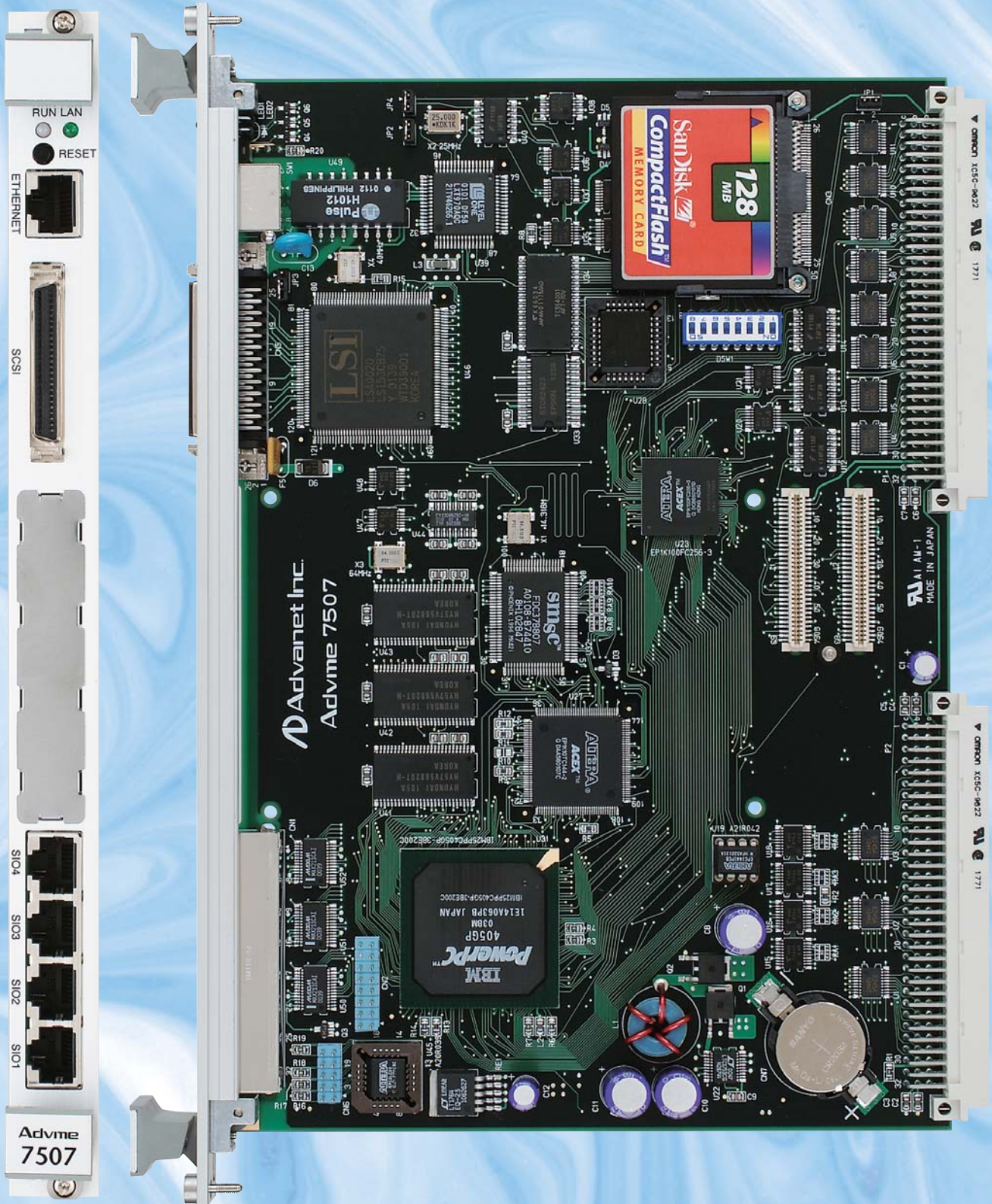


Advme7507A

PowerPC 405GP CPU Board



Advme7507A

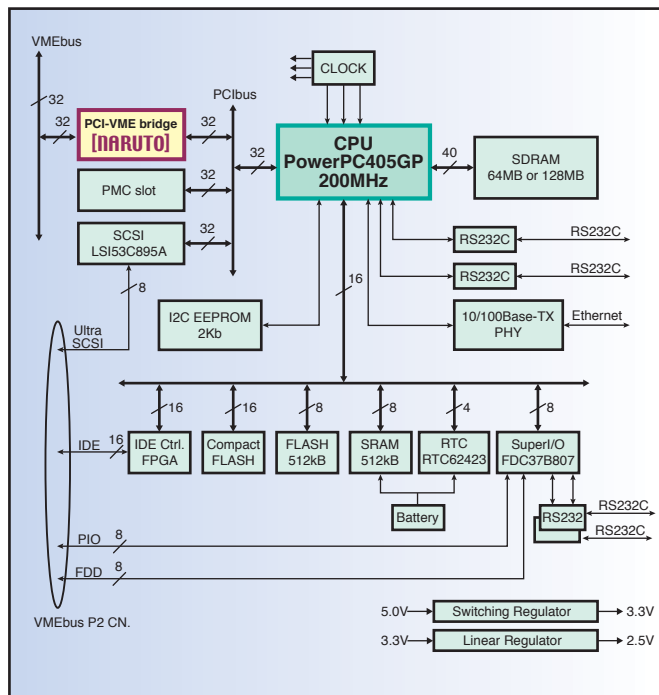
PowerPC G4 CPU Board

Features

- VME bus compatible CPU board with IBM PowerPC405GP
- VME Bus Master/Slave function with a system controller
- 10/100Base-T Ethernet port and four-channel serial port, other interfaces such as
- IDE, SCSI, FDD and LPT
- CompactFlash socket to store application programs and data files
- PMC slot for easy onboard function expansion
- 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



Models

- Advme7507-64: IBM PPC405GP 64MBytes of memory
- Advme7507-128: IBM PPC405GP 128MBytes of memory
- * CompactFlash is optional for all models.

Specifications

- CPU & Memory**
 - CPU : PowerPC405GP(200MHz)
 - Memory : 64/128Mbytes 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 : One-channel 10/100Base-T (RJ45) PPC405GP built-in function
 - SCSI : 50 Pin Half Pitch Dsub LSI Logic SYM53C875
 - Serial port : Four-channel (RJ45) two PPC405GP built-in channels and two SuperI/O built-in channels
 - FDC : SSMC SuperI/O FDC37B807 (VME P2)
 - IDE : IDE interface using FPGA (VME P2)
 - LPT : SuperI/O built-in function (VME P2)
 - Real time clock : EPSON RTC62423 (battery backup)
 - PMC : 32-bit/33MHz VIO=5V single size
- 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



HUMAN ELECTRONICS

Advanet Inc.

www.advantec.co.jp

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



ISO9001
Certification: No.4016-1995-AQ-KOB-RvA



ISO14001
Certification: No. EMSC-1426

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