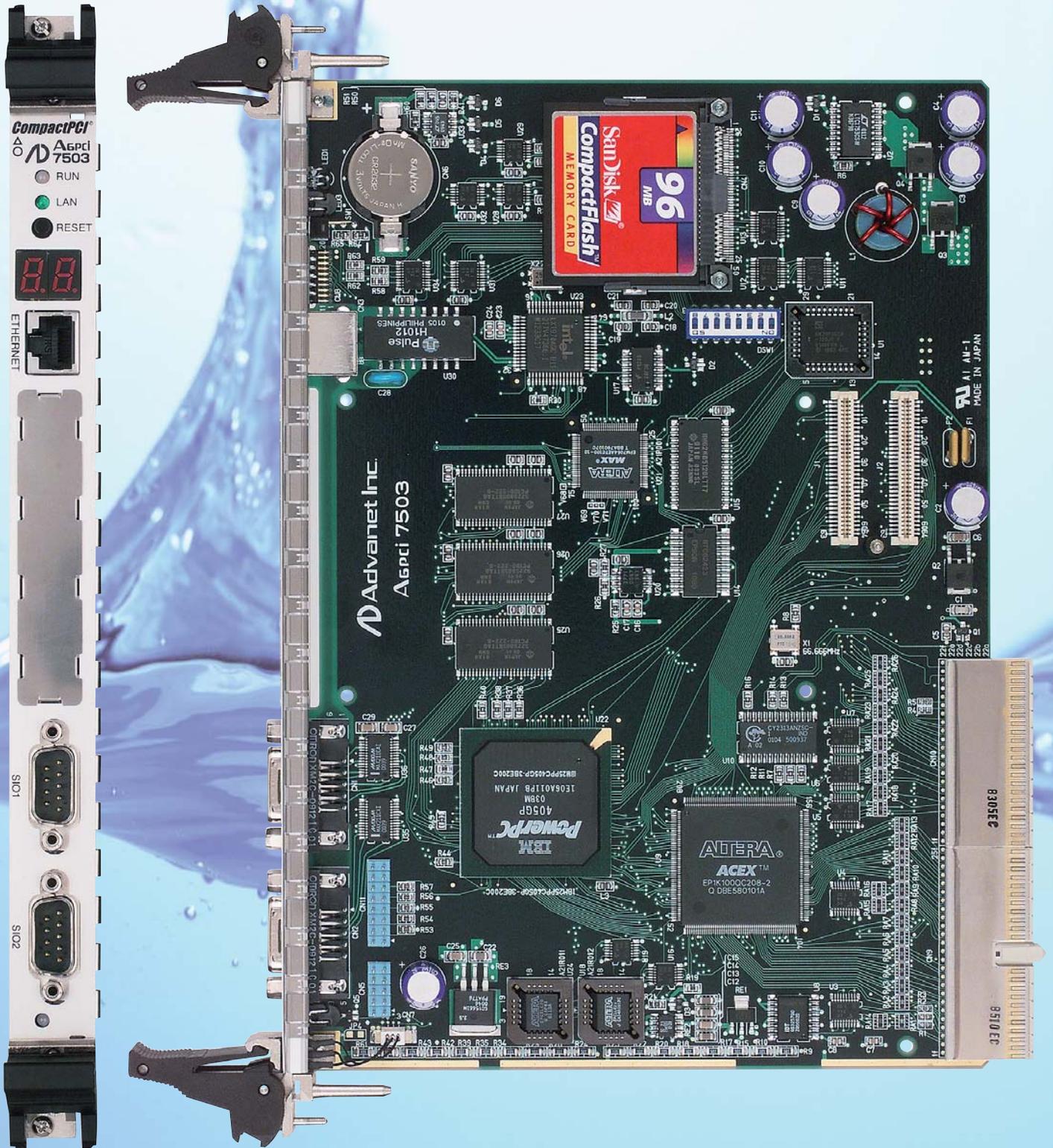


# Ap7503

PowerPC 405GP CPU Board

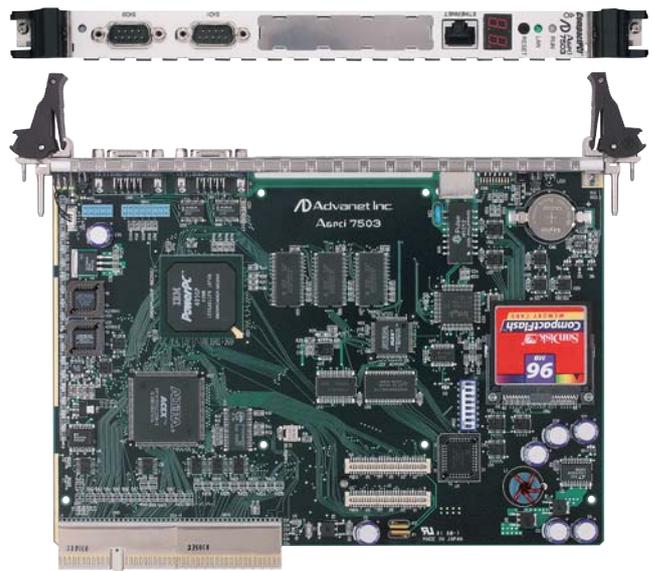




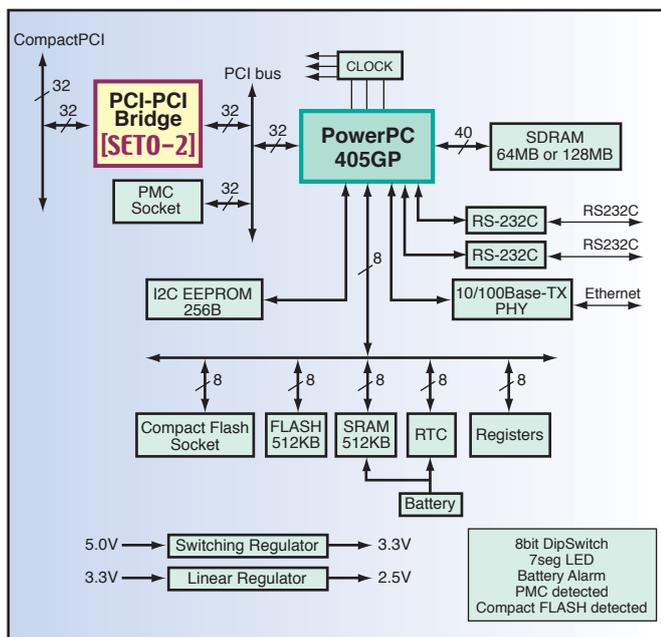
## PowerPC 405GP CPU Board

### Features

- CompactPCI bus CPU board with IBM PowerPC405GP for low power consumption and high cost performance
- 10/100Base-TX Ethernet, two RS-232C ports, CompactFlash and one PMC slot
- Select 64MByte or 128MByte onboard main memory (ECC support)
- Advanet original PCI-PCI bus bridge (SETO-2) for system slot and peripheral slot support
- Peripheral slot operation supports HotSwap
- Two-digit seven segment LED to display software status, etc.
- T4th boot loader to boot application programs and OS from CompactFlash
- BSP for VxWorks available as a paid option



### Block diagram



### Specifications

CPU	IBM PowerPC405GP 200MHz
Memory	64MB or 128MB 100MHz SDRAM (Onboard)
SRAM	512KBytes (battery backup)
EEPROM	256Bytes (serial EEPROM)
Boot ROM	512KBytes Flash memory (PLCC socket mounted)
Boot monitor	T4th
Serial interface	Two RS-232C ports (Dsub 9-pin connector)
Ethernet	10/100Base-TX (RJ-45 connector)
PMC slot	Single slot 32-bit 33MHz VIO=5V
RTC	EPSON RTC62423 (battery backup)
CompactPCI bus	32-bit 33MHz VIO=3.3/5V (Universal mode)
HotSwap support	System slot operation: High Availability support Peripheral slot operation: Full HotSwap support
PCI bridge	SETO-2 (Advanet original) Supports system slot and peripheral slot
Display function	Two-digit seven segment LED, RUN-LED, LAN-LED
Operation function	RESET (push button switch) PowerPC 750/ 7400
Board size	6U CompactPCI single slot width
Operating temperature range	0 to 60°C
Power requirements	Up to DC5V 2.0A

#### Models

- A6pci7503-64M(ECC): 64 MByte memory with ECC
- A6pci7503-128M(ECC): 128MByte memory with ECC
- A6pci7503-VxBSP: BSP for VxWorks
- \* CompactFlash is optional in all models.



HUMAN ELECTRONICS

**Advanet Inc.**

www.advanet.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

Headquarters 616-4, Tanaka, Okayama 700-0951 JAPAN  
TEL +81-86-245-2861 FAX +81-86-245-2860  
Tokyo Branch 3F, Hayakawa No.3 Building, 2-2Kanda-Tacho, Chiyoda-ku, Tokyo 101-0046 JAPAN  
TEL +81-3-5294-1731 FAX +81-3-5294-1734