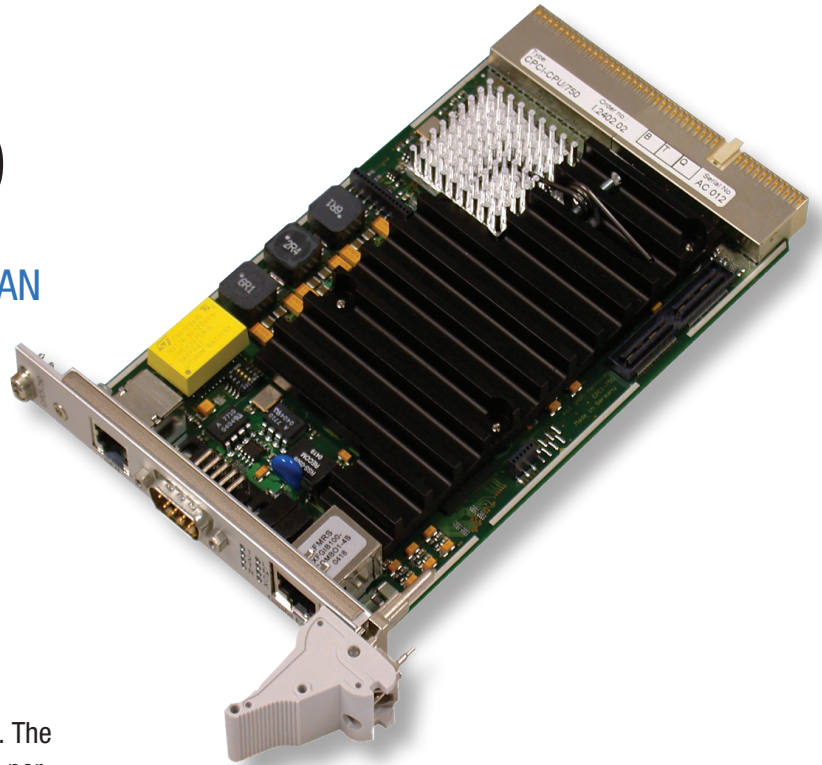




CPCI-CPU/750

CompactPCI PowerPC with Ethernet & CAN

- PowerPC IBM 750FX with up to 1850 DMIPS
- Giga ETHERNET 10/100/1000 Base T
- CAN & RS-232 interfaces



CompactPCI PowerPC board:

The CPCI-CPU/750 is a Compact PCI board in 3U format. The powerful IBM PPC750FX with 733 or 800 MHz enables a performance of up to 1850 DMIPS. With on-board PCI-arbiter and PCI-clock distributor, it acts as a CompactPCI host. The board is equipped from 64 to 512 Mbyte DDR-SDRAM with ECC and 64 Mbyte Flash. A non-volatile NVRAM/RTC enables the CPCI-CPU/750 to save valuable process variables during power off sequences.

Network Interfaces:

The CPCI-CPU/750 comes with an ETHERNET interface that is accessible as 10/100/1000 BaseT through the RJ45 connector in the front panel. The CPCI-CPU/750 provides a CAN interface based on a SJA1000 CAN controller, is fully ISO 11898 compliant, is electrically isolated, has a DSUB9 connector, and allows data transfer rates of 1 Mbit/s. A serial port is available as RS-232 through a RJ12 connector.

For further information please visit
http://www.esd-electronics-usa.com/CAN_Compact_PCI_Interface_CPCI-CPU750.html

Software Support:

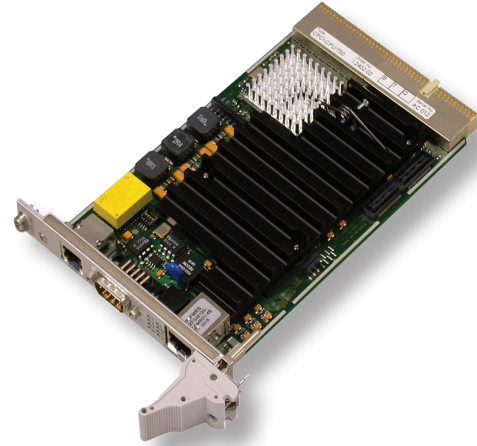
The Flash memory carries the standard 'U-Boot' program that enables the CPCI-CPU/750 to boot various operating systems from the network or on-board Flash directly supporting Linux, RTLinux and VxWorks as well as other systems upon request. Higher layer protocols like CANopen as well as an on-board web server are available.

growing with the
challenge

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Technical Specifications

CompactPCI Interface & Microcontroller	
Microcontroller	IBM PPC750FX, 733/800 MHz, 32bit
Memory equipped	From 8 M x 64 bit DDR SDRAM (64 MB) up to 64 M x 64 bit DDR SDRAM (512 MB) 32 M x 16 bit Flash EPROM (64 Mb) 32 KB NVRAM
Interfaces	
ETHERNET	10/100BaseT, IEEE802.3, RJ45-connector
Serial	1x RS-232 at RJ12
CAN	controller SJA1000, CAN 2.0A/B, opto-isolated, 1 Mbit/s, ISO11898, DSUB9 connector
General	
Ambient temperature	0...50° C
Humidity	Max. 90%, non-condensing
Power supply	5V / 3A, 3.3V / 600mA
Connectors	CAN: 9-pole DSUB (male) Serial: - RJ12 10/100BaseT: RJ45

Order Information

Designation		order no.
CPCI-750	CompactPCI host CPU, IBM PPC750FX, 733 MHz, 256 MB SDRAM, 64 MB Flash	I.2402.02
CPCI-750-VxW	VxWorks BSP/adaption	I.2402.31
CPCI-750-Linux	Linux BSP/adaption	I.2402.32

