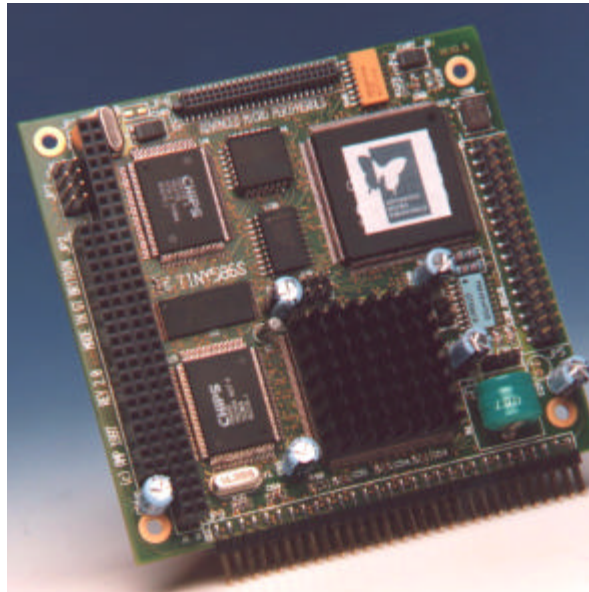


Tiny586SR2 large memory PC/104 computer



General Description

The **Tiny586SR2** is a member of the AMP Tiny486/586DX series of high performance and cost effective PC/104 computer cards. The Tiny586SR2 features a 5x86 (or 486DX) processor with up to 36MBytes of DRAM and up to 16MBytes FlashDisk in a compact PC/104 form factor.

The **Tiny586SR2** offers unparalleled cost/performance by integrating all the functions of a PC-AT motherboard plus serial, parallel, keyboard, mouse and Floppy disk controller functions on the board. An optional FlashDisk which supports most RTOS provides up to 16Mbytes non-volatile storage for the most demanding operational environment. The stackable PC/104 bus enables additional PC/104 modules to be added to the **Tiny586SR2** computer.

Features

- 100% PC-AT compatibility
- Compact 3.6in x 3.8in PC/104 form factor
- 486DX or 5x86 CPU at up to 133MHz
- 4 - 36MBytes DRAM
- 2 - 16MBytes FlashDisk
- Com1 RS232, Com2 RS232/485
- Parallel port and Floppy Disk controller
- PS2 Mouse and Keyboard ports
- Battery-free option
- Expandable using PC/104 modules
- Standard PC/104 form factor
- Single +5V power supply

Applications

- Runs DOS, Windows, RTOS from Flash
- Industrial Control
- Telemetry and Instrumentation
- Test and Measurement systems
- Ground Mobile applications
- In-flight entertainment, communications
- Vending Machines, POS, ATM systems
- Embedded Web Server
- Tele-medicine and Remote Health Monitoring



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PC-AT Compatibility		100% PC-AT compatible
Processors		486DX or 5x86 CPU at 133MHz
Memory	DRAM	4 - 36MBytes DRAM
	Flash	2 - 16MBytes FlashDisk
Peripherals	Serial Ports	1 RS232 at up to 115.2KBaud (internal FIFO) 1 RS232/485 Serial Port up to 115.2KBaud (internal FIFO)
	Parallel Port	Bi-directional ECP, EPP mode
	Floppy Disk	Direct attachment for 2 floppy disk drives
	FlashDisk	2 - 16MBytes bootable FlashDisk API to support most RTOS including QNX, pSOS, PHARLAP
	Kbd/Mouse	Supports Keyboard and PS Mouse; Battery-backed RTC and CMOS SRAM Option for Battery-free operation
PC/104 bus		Full 16-bit stackable pc/104 expansion
Physical size		Standard 3.6in x 3.8in PC/104 card format
Power		Single +5V at 1.28A (133MHz CPU and 20MBytes DRAM)
Environmental	Temperature	0 to 60degC operating (option for -40 to +85degC available) -40 to +85 storage
	Reliability	>150,000hr (MIL-HDBK-217) Ground Mobile 25degC Operating Temp of 0 to 60degC (Extended Temp option) Standard 3.6 x 3.8in PC/104+ form factor
Ordering Information		Tiny486SR2-ss/mm-ffD Tiny586SR2-ss/mm-ffD ss=speed 66, 80, 100, 133MHz mm= memory size 4, 16, 20, 32, 36MBytes ff= FlashDisk 2048, 4096, 8192 KBytes

