

SBC-411/E

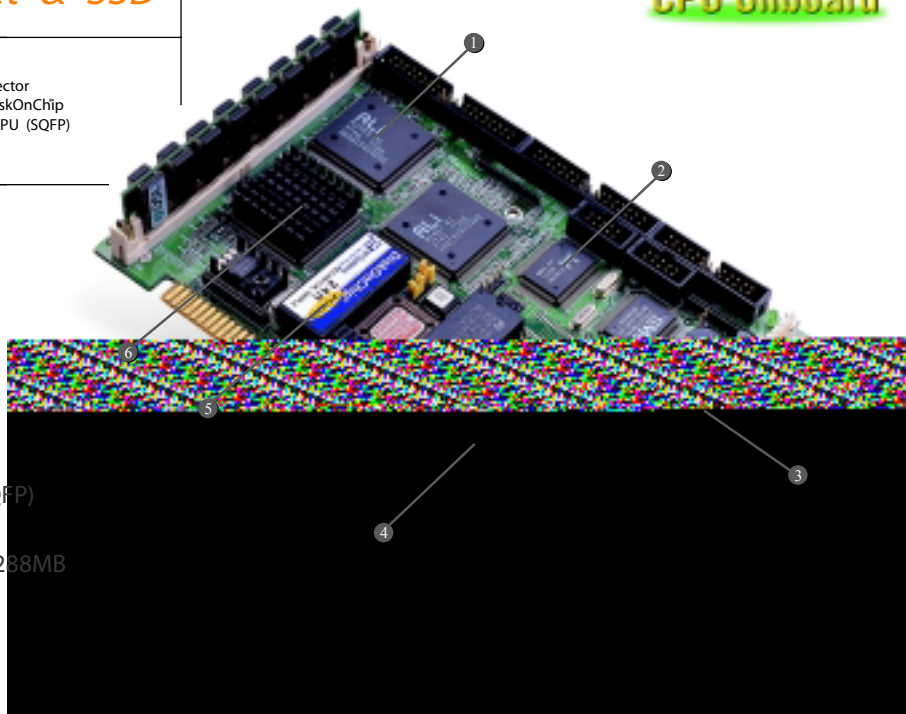
486DX5-133

Half-size CPU Card

with Ethernet & SSD

CPU Onboard

- ① ALi M1487/1489 Chipset
- ② 10Base-T Ethernet Controller
- ③ 10Base-T RJ-45 Connector
- ④ PC/104 Connector
- ⑤ Socket for DiskOnChip
- ⑥ 486DX5-133 CPU (SQFP)



Features

- Onboard AMD 486DX5-133 CPU (SQFP)
- 10Base-T Ethernet
- Supports DiskOnChip (SSD) up to 288MB
- PC/104 expansion connector

Specifications

General Functions

CPU	AMD 486DX5-133 SQFP
CPU type	Onboard SQFP
Bus Interface	ISA bus
BIOS	AMI 128KB FLASH BIOS
Chipset	ALi M1487/1489
I/O Chipset	SMC FDC37C665GT
L2 Cache	Onboard 128KB level two Cache. Could be upgraded to 512KB by factory
Memory	Onboard one 72-pin SIMM socket supports up to 64 Mbytes Fast Page or EDO DRAM
Enhanced IDE	Supports two IDE devices. Supports Bus Master mode with data transfer rate 16.7MB/sec.
FDD interface	Supports two floppy disk drives, 5.25" (360KB and 1.2MB) and/or 3.5" (720KB, 1.44MB, and 2.88MB)
Parallel port	One bi-directional parallel port. Supports SPP, ECP, and EPP modes
Serial port	Two RS-232 serial ports. Ports can be configured as COM1, COM2, COM3, COM4, or disabled individually. (16C550 equivalent)
KB connector	6-pin mini-DIN connector supports PC/AT keyboard. Additional 5-pin header supports PC/AT keyboard for IPC applications
Real Time Clock	Dallas DS-12887A or equivalents, powered by lithium battery for data retention
Watchdog timer	Can generate a system reset, IRQ15, or NMI. Software selectable time-out interval (2 sec.~ 128 min., 1 sec./step)
DMA	7 DMA channels (8237 equivalent)
Interrupt	15 interrupt levels (8259 equivalent)
Power management	I/O peripheral devices support power saving and doze/standby/suspend modes. APM 1.1 compliant

Ethernet Interface (for SBC-411E only)

Chipset	Realtek RTL8029AS 10Base-T Ethernet controller
Ethernet interface	Onboard 10Base-T RJ-45 connector. Optional Remote Boot ROM function

SSD Interface

One 32-pin DIP socket supports M-Systems DiskOnChip 2000 series up to 288MB

Expansion Interface

PC/104 connector	One 16-bit 104-pin connector onboard
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Mechanical and Environmental

Power supply voltage	+5V (4.75V to 5.25V)
Operating temperature	0 to 140° F (0 to 60° C)
Board size	7.3"(L) x 4.8"(W) (185mm x 122mm)
Weight	0.3Kg

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