

Embedded Single Board Computer

Low Profile, Low Power, Embedded Solution

HE-833 (NE2000 LAN)

**Half-size ISA-bus Embedded 386SX-40 CPU Card
with Onboard 386SX-40 CPU, 4 MB EDO DRAM
Flat Panel / CRT SVGA, NE2000 Ethernet
DiskOnChip and PC/104 Interfaces**



Form Factor	Half-size 16-bit ISA CPU Card / Slot PC
CPU	Onboard embedded ALi 6117D 386SX-40 MHz CPU
Memory	Onboard 4 MB EDO DRAM and one 72-pin SIMM slot up to 16 MB EDO DRAM Total memory capacity up to 20 MB
Chipset	ALi 6117D chipset (DM&P OEM version)
BIOS	AMI system BIOS
DMA Channel	7 channels
Interrupt Level	15 levels
Watchdog Timer	Programmable generates NMI or system reset watchdog timer
Real Time Clock	Benchmark bq3287ATM (or Dallas DS12B887 compatible RTC)
Expansibility	Onboard 8-/16-bit ISA based PC/104 interface
IDE Interface	One bus master IDE channels up to 2 ATAPI devices support IDE mode 4
VGA Interface	TOPRO TP6508IQ 16-bit ISA-based flat panel / CRT SVGA controller with 1 MB frame buffer, supports CRT/DSTN/TFT/EL/Mono flat panel display Onboard 44-pin connector for TTL flat panel display (up to 24-bit) External DB15 female connector for CRT display
Ethernet Interface	RTL8019AS NE2000 compliant IEEE 802.3 10Base-T Ethernet controller External RJ45 connector for LAN
Multi-I/O Port	ALi 5113 super I/O controller 1 x RS-232 serial port COM1, external DB9 male on bracket 1 x jumper selectable RS-232/485 serial port COM2 1 x SPP/EPP/ECP parallel port 1 x 16-bit GPIO Port 1 x FDD port 1 x external PS/2 keyboard and mouse port 1 x internal AT keyboard port
Solid State Disk	Onboard 32-pin DIP JEDEC DiskOnChip2000 socket Flash memory capacity up to 576 MB with ECC/EDC data protection
Environment	Power Requirement: Single +5V, 900mA typically with onboard CPU& DRAM Board Dimension (L x W): 185 x 122 mm Operation Temperature: -20 ~ 60°C (-4 ~ 140°F)
Ordering Option	HE-833VE with 386SX-40 CPU, 4MB EDO RAM, SVGA, Ethernet Interfaces

Online product information detail and updates are available at: <http://www.commell.com.tw>