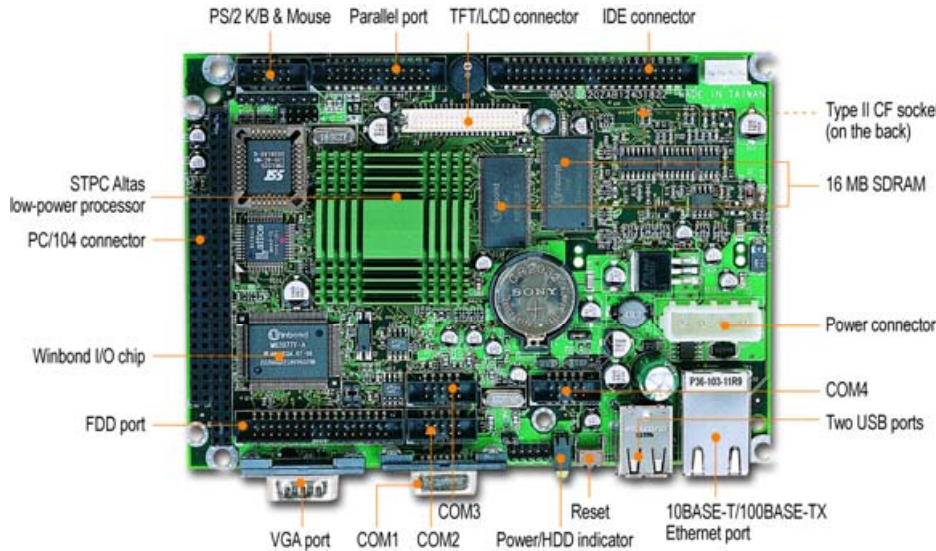# PEB-2431VL

3.5" embedded system board, based on low power STPC Atlas processor (System-on-Chip) with VGA and LAN

Feature

- Compact 3.5" HDD size embedded system board
- Reliable low power STPC Atlas 5x86 processor 133 MHz
- On-board standard VGA, TTL Panel interface and I/O
- On-board 10BASE-T/100BASE-TX Ethernet
- On-board 16 MB SDRAM
- PC/104 expansion connector
- Type II CF socket for 8~320 MB CompactFlash disk

System

CPU	Low power STPC Atlas processor 133MHz
Chipset	STPC Atlas System-on-Chip
Memory	On-board 16MB SDRAM
L2 Cache	N/A
BIOS	Award (2Mb Flash ROM)
SSD	Type II Compact Flash Socket (Support 8~320MB Compact Flash or IBM Microdrive)
Storage Devices	Two EIDE devices; two FDDs
Watchdog Timer	Adjustable via hardware jumper with interval resolution setting from 0.5 sec. to 64 sec.
Expansion Interface	PC/104 (ISA bus)
Hardware Monitoring	N
Power Requirement	+5V@1.6A
Dimension	145(L) x 102(W) mm; 5.7"(L) x 4"(W)
Environmental	Operation temperature: 0~55 ˚C
	Storage temperature: -20~75 ˚C
	Operation humidity: 5~95%

I/O

MIO	RS-232 x2, RS-422/485 x2, Parallel port x1
IrDA	N/A
Ethernet	RealTek 8139C, 10BASE-T/100BASE-TX, RJ-45 x1
Audio	N/A
USB	2
Mouse & K/B	1

Display

Chipset	STPC Atlas System-on-Chip
Memory Size	Up to 4MB shared memory
Resolution	1280 x 1024 x 8bpp @ 75Hz
LCD interface	TTL, 18-bit
Video-in/TV-out	N/A

Ordering Information

Standard

PEB-2431VL	3.5" Low Power STPC Atlas processor 133MHz based ESB with VGA, panel interface and Fast Ethernet

Packing List

User's manual	x1
Utility CD	x1
PS/2 keyboard & mouse cable	x1
HDD cable	x1
FDD cable	x1
Printer& Serial port cablewith bracket	x1
two Serial port cable with bracket	x1

Embedded Computing Board