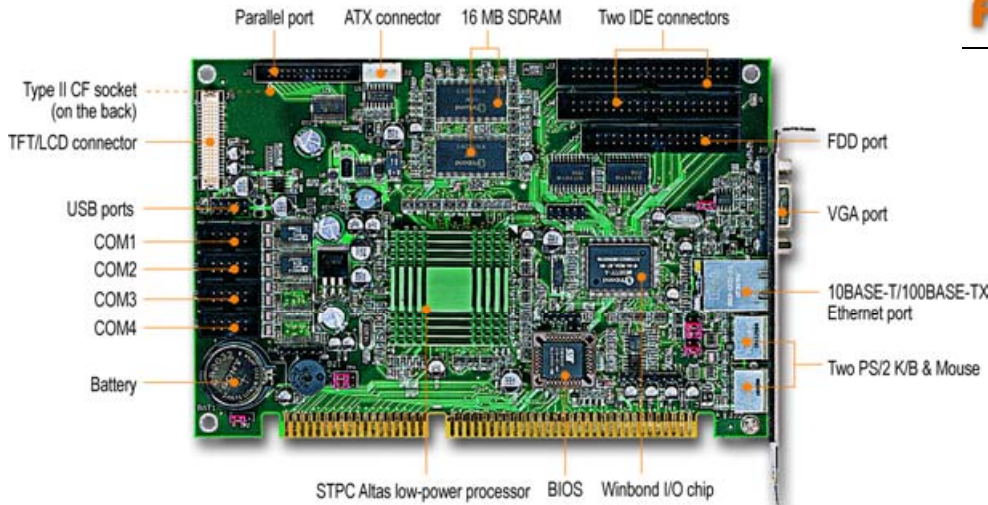


# PEB-5431VL

Half-sized ISA SBC, based on low power STPC Atlas processor (System-on-Chip) with VGA LCD and LAN



## Feature

- Standard half-sized ISA card for most of the legacy system designs
- Reliable low power STPC Atlas 5x86 processor 133 MHz
- On-board standard VGA/panel and I/O
- On-board 10BASE-T/100BASE-TX Ethernet
- On-board 16 MB SDRAM
- Type II CF socket for 8~320 MB CompactFlash disk
- Two RS-232 and two RS-422/485 ports

## 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	Four EIDE devices; two FDDs
Watchdog Timer	Adjustable via hardware jumper with interval resolution setting from 0.5 sec. to 64 sec.
Expansion Interface	ISA bus through Standard ISA back plane
Hardware Monitoring	N/A
Power Requirement	+5V@1.6A
Dimension	185(L) x 121.5(W) mm; 7.3"(L) x 4.8"(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 & KB	1

## Display

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

## Ordering Information

### Standard

PEB-5431VL Half-size low power STPC Atlas processor 133MHz based ISA SBC with VGA/LCD and Fast Ethernet

## Packing List

User's manual	x1
Utility CD	x1
HDD cable	x1
FDD cable	x1
two Serial port cable with bracket	x1
one parallel port cable with bracket	x1
2 ports USB cable with bracket	x1
ATX power cable	x1

Expand the ISA SBC with converter board

