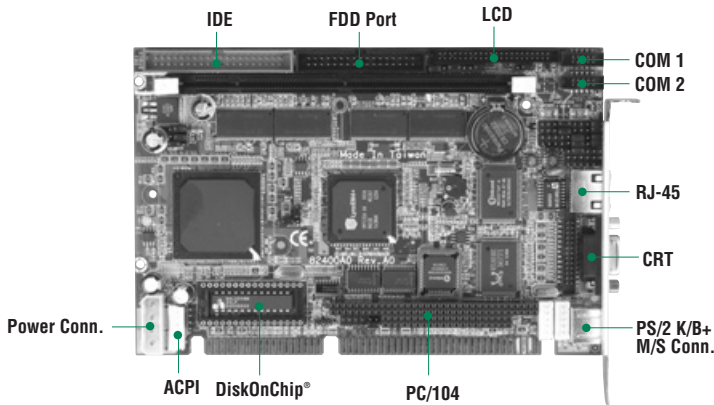


# SBC82401

ISA STPC CPU Card with LCD Interface and Fast Ethernet

Embedded Computing Platforms



- STPC Elite
- Ethernet
- CRT/LCD
- ISA
- CF & DOC
- PC/104
- 2 COM

## Features

- ▶ Fanless low power STPC Elite onboard
- ▶ Onboard 32MB SDRAM
- ▶ Supports CRT and LCD
- ▶ Supports 10/100Base-T Fast Ethernet
- ▶ DiskOnChip® and CompactFlash™
- ▶ +5V only power-input supported

## System

CPU	STPC Elite, processor onboard 133MHz
System Memory	1st Bank: 32MB onboard SDRAM 2nd Bank: 1 x 168-pin SDRAM, max. up to total 128MB
Chipset	STPC Elite embedded
BIOS	Phoenix-Award 2Mbit with RPL/PXE LAN boot ROM, SmartView and customer CMOS backup
SSD	DiskOnChip® and CompactFlash™ Type-II socket
Watchdog Timer	System rest and NMI; 64 Levels, 0.5~8 / 5~80 / 50~800 / 100~1600 seconds
Expansion Interface	PC/104 and ISA Golden Finger expansion interface
Battery	Lithium 3V/196 mAH
Size/Weight	185 x 122mm / 0.3 kg
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x EIDE, 1 x FDD, 1 x K/B + M/S, 1 x RS-232, 1 x RS-232/422/485, 1 x LPT, 1 x IrDA
Ethernet	RTL8100C, 10/100Base-T

## Display

Chipset	SMI712G4
Memory Size	4MB
Resolution	CRT mode: 1280 x 1024 @ 16bpp, 1024 x 768 @ 16bpp, 800 x 600 @ 16bpp LCD mode: 1280 x 1024 @ 16bpp, 1024 x 768 @ 16bpp, 800 x 600 @ 16bpp
LCD interface	Support for 3, 9, 12, 18, 24 bit TFT

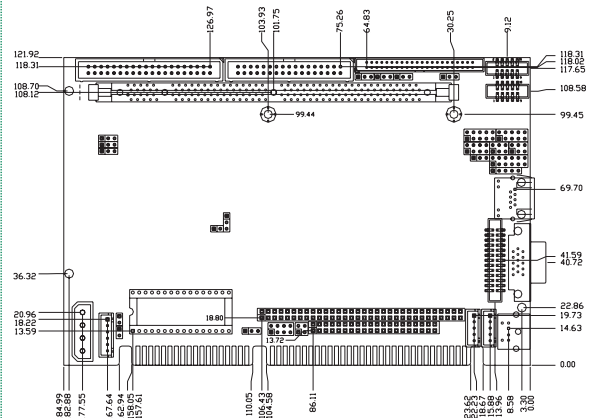
## Packing List

Quick installation guide
Manual, driver & utility CD
I/O cable kit (1 x 40-pin IDE, 1 x 34-pin FDD, 1 x COM+LPT with bracket)

## Ordering Information

Standard	
SBC82401VE	With CRT/LCD output and RTL8100C fast Ethernet
Optional	
F382401101	SBC82401VE external temperature -25~70°C
PK8980	LCD kit for 18-bit TTL LCD with Hirose DF9-41P-1V connector
PK95000-24	LCD kit for 24-bit single channel LVDS
ATX6020/4	4-slot passive backplane
ATX6020/6	6-slot passive backplane
Enclosure Options	
AX6033	4-slot MicroBox with 70W AC P/S
AX60530	6-slot MicroBox with 150W AC P/S
EM60320E	Embedded MicroBox with 180W AC P/S

## Dimensions



ECP Services and Solutions

STX SoM & Baseboards

Mini ITX and LPX SBCs

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards & Accessories

Half-size CPU Cards, Backplanes

PCI/104 Modules

Mini PCI Modules

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix