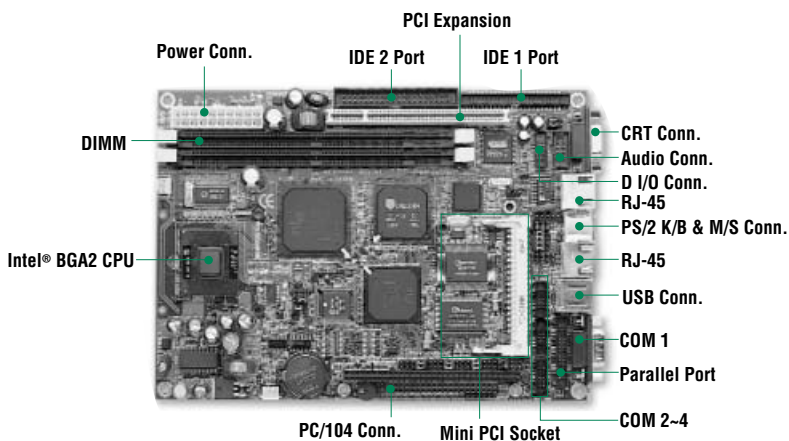


# SBC83680

Intel® BGA2 Embedded SBC with Multiple I/O Features



## Features



- ▶ Intel® BGA2 ULP/LP CPU
- ▶ 10/100Base-T Ethernet
- ▶ AC'97 Audio codec
- ▶ CompactFlash™
- ▶ Board Unique ID

## Packing List

- Quick installation guide
- Manual, driver & utility CD
- 1 \* 8-pin power input adapter cable

## System

CPU	Onboard Intel® BGA2 Celeron® (400MHz) and Pentium® III (500/700MHz) processor
System Memory	2 * SDRAM DIMM, Max. 512MB
Chipset	Intel® 440BX
BIOS	Phoenix-Award 2Mbit with RPL/PXE LAN boot ROM and SmartView
SSD	CompactFlash™ and optional onboard Flash (Intel® Strata, AMD and M-Systems DiskOnChip®)
Watchdog Timer	0.5~1600 sec with 64 levels; system reset or NMI
Expansion Interface	PCI and mini PCI Type-III socket
Battery	Lithium 3V/196 mA/H
Size/Weight	203 * 146mm, 0.32kg
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing
Board Unique ID	Dallas DS2401

## I/O

MIO	2 * ATA-33 IDE, 1 * FDD, 1 * K/B + M/S, 3 * RS-232, 1 * RS-232/422/485, 1 * LPT, 1 * IrDA
Ethernet	Intel® 82559 fast Ethernet, 2 * RJ-45
Audio	ESS ES1938 32-bit Sound Blaster™ and sound Blaster™ Pro compliant
USB	2 * USB ports, USB 1.1a compliant
D I/O	Unlimited channel input and output

## Display

Chipset	AGP-2x SMI Lynx3DM4 721 chip
Memory Size	Embedded 4MB SDRAM
Resolution	CRT mode: 1280 * 1024 @ 16bpp (60Hz), 1024 * 768 @ 16bpp (85Hz) LCD/Simultaneous mode: 1280 * 1024 @ 16bpp (60Hz), 1024 * 768 @ 16bpp (60Hz) Dual Display mode: Support 18/24-bit dual TFT LCD under Windows® 98/ME/2000, D1 and D2 up to 1024 * 768 @ 16bpp
LCD Interface	Supports for 9, 12, 18, 24, 36, 48-bit TFT and 16 or 24-bit DSTN panels up to SXGA resolution

## Ordering Information

MOQ	
SBC83680VEA-500	SBC83680 with onboard PIII 500MHz CPU, CRT/LCD, Ethernet and Audio
SBC83680VEA-700	SBC83683 with onboard PIII 700MHz CPU, CRT/LCD Ethernet and Audio
Optional	
88080000120L	I/O cable set
EM60320	Embedded MicroBox with 70W AC P/S
AX8502	1 * PCI riser card
AX8503	2 * PCI riser card
AX8906	2 * PCI riser card
AX8907	1 * PCI riser card

## Dimensions

