FORMOSA INDUSTRIAL COMPUTING,INC.

www.formosa21.com

SMB-510BX

Socket 370 Half-size SBC With VGA/LCD Ethernet

Features

- Support Intel Socket 370 PentiumIII up to 1G MHz, with jumper-less auto detection (FSB 100MHz)
- Upgradeable to the newest Intel PentiumIII CPU and celeron CPU
- On board Hardware monitoring
- On board 10/100 (Base T) Ethernet function
- On board C&T with 2MB VRAM internally
- Support two USB port
- Support on board one 168pin DIMM socket, up to 256MB of system memory
- With the ECC function of the system memory

Specification

CPU
- Intel Celeron or Pentium III Processor, up to 1G Hz (FSB 100MHz)

CPU Socket
- Intel 370-pin socket

Chipset
- Intel 443BX chipset, support 66/100MHz FSB

BIOS
- AWARD 256KB Flash Memory

System Memory
- Support one 168-pins DIMM sockets, up to 256MB SDRAM with ECC

Enhanced IDE
- Supports up to 2 IDE devices & Ultra DMA33 mode data transfer rate up to 33MB/sec

I/O Interface
- Chip: Winbond 83977 with fully 16-bit I/O decoded
- FDD interface: Support up to two floppy disk devices
- Parallel port: One parallel port, support SSP, EPP/ECP modes
- Serial ports: Two RS-232 Ports
- KB: 5 pin mini-DIN connector on board, support keyboard and PS/2 Mouse on bracket
- IR interface: Support one IrDA TX/RX header

USB
- 4x2 head on board, support dual USB ports

RTC Battery
- Dallas retention, up to 10 years (Optional Lithium Battery)

FORMOSA INDUSTRIAL COMPUTING,INC.

www.formosa21.com

SMB-510BX

Socket 370 Half-size SBC With VGA/LCD Ethernet

Specification

SSD Interface

- Support M-Systems DiskOnChip 2000 series up to 144MB

Watchdog Timer

- Software programmable 1 to 127 secretary (127 levels) can generate IRQ15, NMI or System reset

H/W Status Monitoring

- Winbond W83781D H/W status monitoring IC, supports Power Voltage; FAN speeds and CPU temperature Monitoring

Bus Interface

- PC/104 connector, PISA bus (PCI and ISA Bus)

LCD/VGA

- Chipset: C&T 69000 VGA Controller
- Display Memory: Built-in 2MB SDRAM on chip
- Display Type: Supports non-interlaced CRT and LCD (TFT, DSTN, and MONO) displays can display both CRT and Flat Panel Simultaneously
- Resolution: up to 1024x768@64K colors

Ethernet Interface

- Chipset: Realtek RTL8139C
- Type: Fast Ethernet controller, support 10/100Base-T
- Connection: RJ-45 connector with LED indicator

Power Supply Voltage: 5V/2A, 12V/0.1A

Operating Temperature: 0-60°C

Dimensions: 185x122 mm

Backplane BPP-6E3P3

Ordering Information

- **SMB-510BX:** Half-Size Intel Celeron/Pentium III Processor PISA Bus with LCD/LAN PISA Bus SBC
- **SMB-520BX:** Half-Size Intel Celeron/Pentium Processor ISA Bus with LCD/LAN ISA Bus SBC

Formosa Industrial Computing, Inc.
8F-6. No. 351, Chung Shan Rd., Sec. 2,
Chung Ho City, Taipei, Taiwan, R.O.C.
Tel: +886-2-3234-7000 Ask for IPC Sales
Fax: +886-2-2226-0840; +886-2-2226-9623
E-mail: ipcsales@nfic.com.tw
http://www.formosa21.com

Formosa Japan , Inc.
Shirakawa Bldg, Annex6-1,2-Chome sakae
Naka-ku Kagoya 460-0008 Japan
Tel: +81 52 202 1476
Fax: +81 52 202 1477
E-mail:wang@addtechs.co.jp

Formosa USA. Inc.
21540 Prairie Street, Unit A, Chatsworth,
CA 91311, U.S.A.
Tel: +1-818-407-4965 Fax: +1-818-407-4966
E-mail: sales@goformosa.com

Action Media Technologies, Inc.
9400 Lurline Ave., Unit B, Chatsworth,
CA 91311, U.S.A.
Tel: +1-818-709-5792
Fax: +1-818-700-7988

Beijing:
Tel: +86-10-6252-0215
Fax:+86-10-6252-0219
E-mail: kunga@nfic.com.tw

Shanghai:
Tel: +86-21-6486-6035
Fax: +86-21-6486-4163
E-mail: albertyu@nfic.com.tw

Shenzhen:
Tel: +86-755-748-0379
Fax: +86-755-747-1695
E-mail: gary@nfic.com.tw

"Information in this documentis believed to becorrect at the timeof printing, and itis subfect to changewithout further notice."
"All brands and productnames are trademarks and/orregistered trademarks of theirrespective owners.

IP0901004