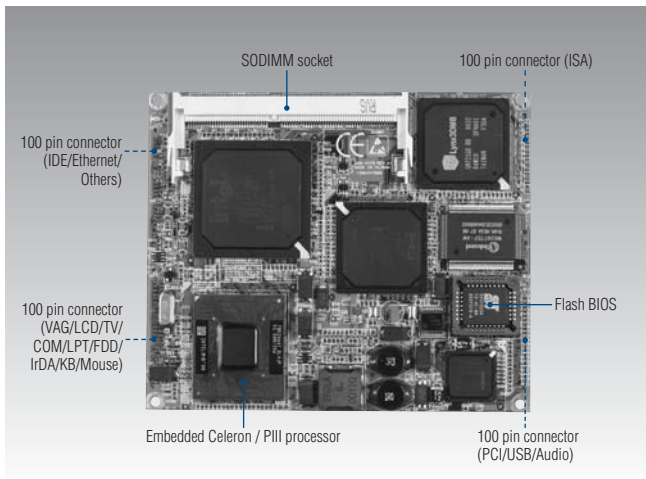


# SOM-4470

Pentium® III SOM-ETX w/VGA, LCD,  
Audio, Video & LAN

- 1 System on Module Solutions
- 2 Single Board Computers and Accessories
- 3 PC/104 Modules
- 4 Slot CPU Cards and Accessories
- 5 AIMB/POS Control Boards
- 6 Internet Security Platforms
- 7 Embedded Software
- 8 Apps



## System

- **CPU** Embedded Intel® low power Celeron-400/Pentium® III-500/700
- **System Memory** SDRAM SODIMM x 1, Max. 256 MB (optional 512 MB)
- **2nd Cache Memory** 128 KB on the Celeron processor, 256 KB on the Pentium® III processor
- **Chipset** Intel® 440 BX
- **BIOS** AWARD 256 KB Flash BIOS
- **Watchdog Timer** 1 - 62 sec, system reset
- **Expansion Interface** PCI/ISA

## I/O

- **MIO** 2 x EIDE (Ultra DMA33), 1 x FDD/LPT, 1 x K/B, 1 x Mouse, 2 x RS-232
- **IrDA** 115 Kbps, IrDA 1.1 compliant
- **Audio** ESS ES1989 supports 2.0 compliant, Mic in, Line in, CD Audio in, Line out, Speaker out
- **USB** 2 USB ports, USB 1.1 compliant

## Ethernet

- **Chipset** Intel® 82559ER
- **Ethernet Interface** IEEE 802.3u 100BASE-T Fast Ethernet

## Features

- Embedded Intel® low power Pentium® III/Celeron™ processor
- Fanless, 0 ~ 60° C operation
- ETX form factor
- Supports wake-on-LAN
- Supports 24-bit LCD display

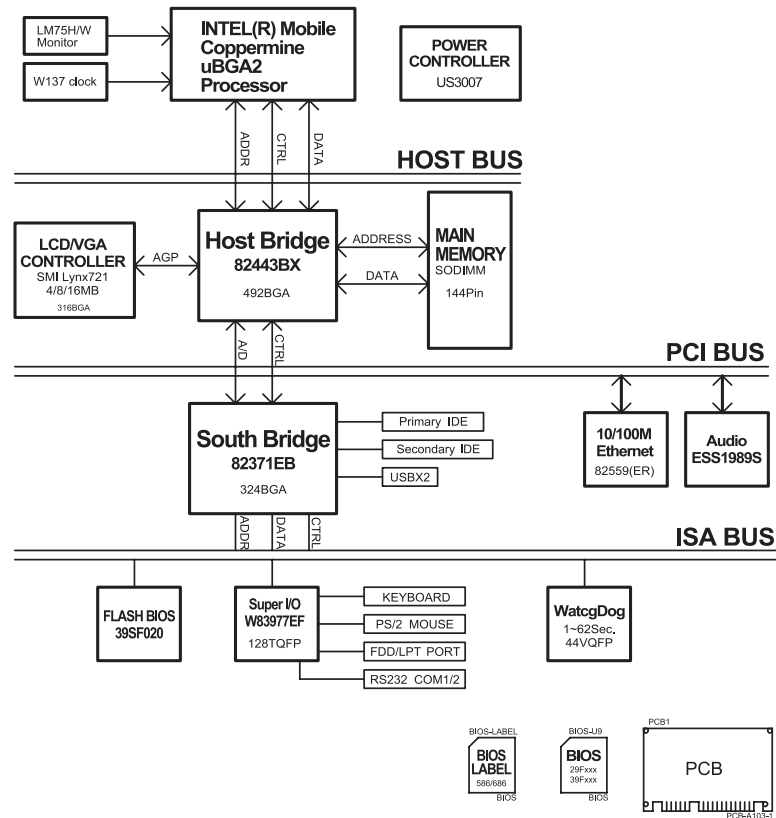
## Display

- **Chipset** 2x AGP SMI Lynx 721 chip, 3D Engine
- **Memory Size** 4 MB
- **Resolution** CRT Mode:  
1280 x 1024 @ 16 bpp (60 Hz),  
1024 x 768 @ 16 bpp (85 Hz)  
LCD/Simultaneous Mode:  
1280 x 1024 @ 16 bpp (60 Hz),  
1024 x 768 @ 16 bpp (60 Hz)
- **LCD Interface** 2x AGP VGA/LCD interface Supports 18-bit TFT/DSTN panels up to XGA resolution
- **TV-out** Supports both NTSC/PAL

## Mechanical and Environmental

- **Dimensions (LxW)** 95 x 114 mm (3.7" x 4.5")
- **Power Supply Voltage** +5 V ± 5%.
- **Power Requirements** Max. : 5 V @ 4.5 A  
Typical: 5 V @ 4.1 A (w/Pentium III 700 + 64 MB RAM)  
5 V @ 3.6 A (w/Pentium III 500 + 64 MB RAM)  
5 V @ 3.1 A (w/Celeron 400 + 64 MB RAM)
- **Operating Temperature** 0~60° C (32~140° F), fanless operation
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing

## Board Diagram



## Ordering Information

### Standard

- **SOM-4470F-J0A1** Intel® SOM-ETX Module w/ Celeron-400, VGA/LCD, Audio, LAN & TV-out
- **SOM-4470F-P4A1** Intel® SOM-ETX Module w/ PIII-700, VGA/LCD, Audio, LAN & TV-out
- **SOM-4470F-L4A1** Same as SOM-4470F-P4A1, but w/Pentium® III 500 CPU
- **SOM-DK4470F-042** Windows® CE .NET 4.2 Development Kit for SOM-4470F
- **SOM-DB4400-00A2** SOM-ETX Development Board

### Optional

- **SOM-FANKIT-1000** Fan kit for SOM-ETX module