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SoM-4481



Embedded Fanless Intel® Pentium® M/Celeron® M processor

Supports ECC DDR Memory

With Vcore 2 phase design for more stable system

Supports 4 Host USB 2.0 Ports

Supports both CRT and dual channel LVDS LCD panels

The SoM-4481 is a powerful, fanless SoM CPU module able to drive the most demanding Kiosk, POS and POI applications requiring high performance graphics support. The SoM-4486 features a Fanless 600 MHz Intel® Celeron® M or Pentium M processor offering developers a low power and scaleable solution that fits a range of needs. The Intel 855GME chipset features a high performance 3D Graphics engine, giving any platform superior multimedia capability.

The SoM-4481 is designed to plug into a carrier board that contains all the connectors and any custom I/O required for the application. With this System On Module approach a semi-custom hardware platform can be developed in as little as a month. A development carrier board

SoM-DB4400) is available from EMAC, allowing the user to immediately start coding their application.

EOL SOMs	
Processor Tuccssor. Embedded Colorer Mon Pontium M	
Embedded Celeron M or Pentium M Clock Speed:	
1.8 GHz	
Real Time Clock:	
Processor Misc.:	
2nd Cache Memory: 512 KB on Celeron M or 1 MB on Pentium M processor	
System Chipset: Intel 855GME GMCH/ICH4 Chipset 400 MHz PSB	
Memory	
AWARD 4Mbit Flash BIOS	
Primary I/O	
Ix EIDE (UDMA 66)	
Audio: AC'97 3D (Line-in/Line-out/Mic-in)	
Ethernet:	
Intel 82551QM IEE 802.3u 100BASE-T Fast Ethernet	
USB:	
4x USB 1.1/2.0 compliant	
Serial Ports:	
2x Serial Ports	
Watchdog:	
Primary I/O Misc.:	
Floppy Disk Drive Interface: 1 Floppy channel (shared with LPT)	
R port: 115 Kbps, IrDA 1.1 compliant	
Parallel Port: 1 Parallel Port supports SPP/EPP/ECP mode (shared with Floppy)	
Display	
Chipset: Intel 855GME	
Memory Size: Up to 32MB frame buffer using system memory	
Resolution CRT Mode: up to 1600x1200 (85 Hz), 2048x1536 (75 Hz)	
LCD Mode: Dual channel LVDS panel supports up to UXGA panel resolution	
Secondary I/O	
Keypad:	
PS/2:	
Analog on	
D/A:	

SOM Type:

Dimensions

Voltage. Voltage. Power Requirements Voltage. Typical Current: 2.8 A Typical Voltage: 5 V Lenvironmental temperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity: 90%
2.8 A Typical Voltage: 5 V Low Operating Temperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity:
2.8 A Typical Voltage: 5 V Low Operating Temperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity:
Environmental Low Operating Temperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity:
Environmental Low Operating Temperature: 0 C High Operating Temperature: 60 C Upper Operating Humidity:
0 C High Operating Temperature: 60 C Upper Operating Humidity:
0 C High Operating Temperature: 60 C Upper Operating Humidity:
High Operating Temperature: 60 C Upper Operating Humidity:
60 C Upper Operating Humidity:
Upper Operating Humidity:
Dui sin a
Pricing Suivi-4401FL
SOM-ETX FOR PENTIUM M w/LAN (NO CPU)
\$0.00
Base Product:
SoM-4481
SoM-4481FL-M
SOM-ETX W/ CELERON M 600 MHZ w/LAN
\$0.00
Base Product:
SoM-4481
SoM-4481FL-S
SOM-ETX W/ Pentium M 1.1 GHZ, w/LAN
\$0.00
Base Product:
SoM-4481
SoM-DB4400-0
ETX development carrier board
\$0.00
Base Product:
SoM-DB4400
Non-Stock NCNR:
0
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Dimensions: 3.7×4.5 in