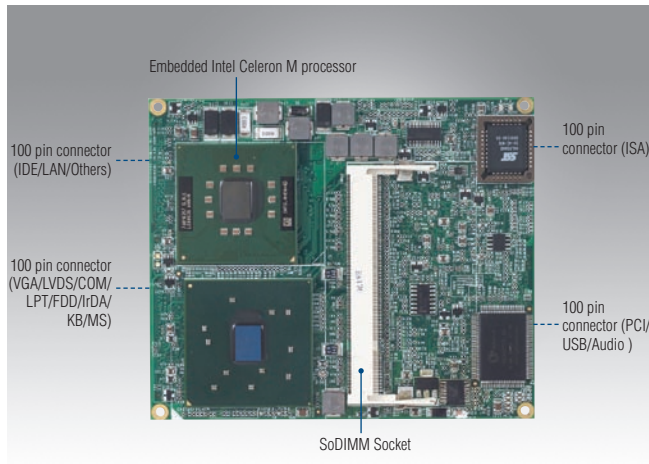


SOM-4486 Series

Intel® Celeron® M ETX Module
with CPU, VGA/LVDS, Audio & LAN



Features

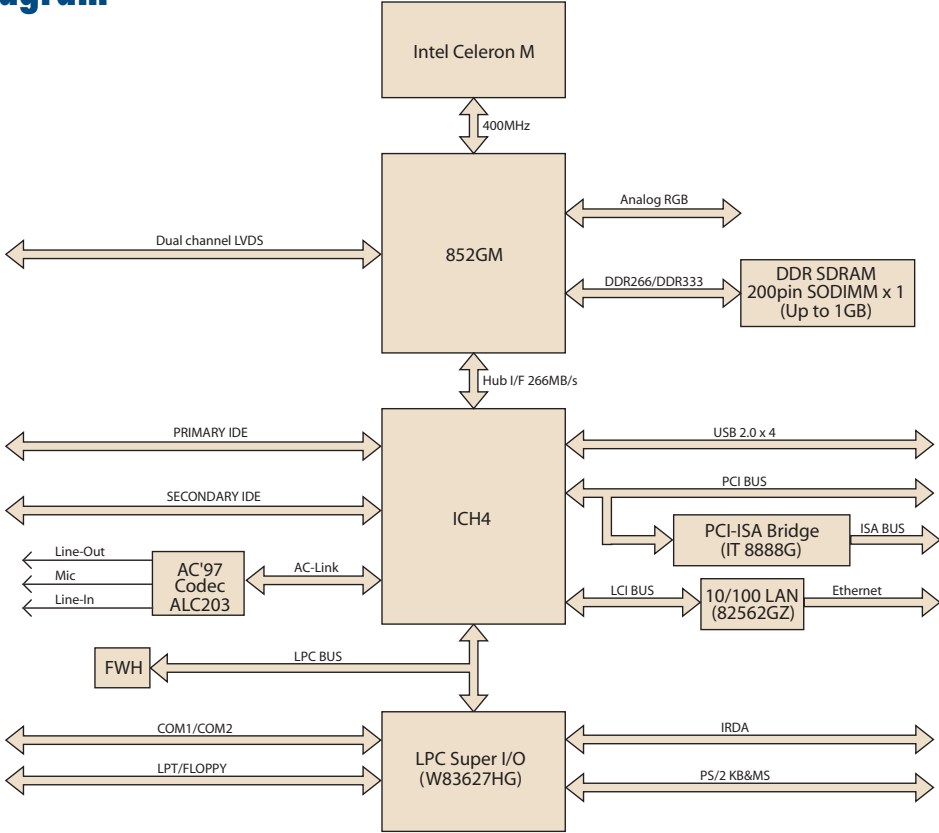
- Embedded Intel® Celeron® M processor
- Supports DDR Memory
- With Vcore two phase design for more stable system
- 4 USB 2.0 ports
- Supports dual channel LVDS panel



Specifications

Processor System	CPU	Embedded Intel Celeron M processor
	System Memory	1 x 200-pin SODIMM sockets, DDR 200/266 MHz up to 1 GB
	System Chipset	Intel 852GM GMCH/ICH4 Chipset 400 MHz FSB
	BIOS	AWARD™ 4 Mbit Flash BIOS
	WatchDog Timer	256 levels timer interval, from 1 to 255 sec or min setup by software, jumperless selection, generates system reset
	Expansion Interface	Supports PCI & ISA interface
I/O	MIO	2 x EIDE (UDMA 66), 1 x LPT/FDD (shared), 1 x Keyboard, 1 x Mouse, 2 x RS-232
	IrDA	115 kbps, IrDA 1.1 compliant
	USB	4 x USB 2.0 compliant ports
Ethernet	Chipset	Intel 82562GZ 10/100Mbps Ethernet Chip
	Speed	10/100Base-T
Display	Chipset	Intel 852GM
	Memory Size	DVMT support up to 32 MB
	Resolution	CRT Display Mode: Pixel resolution up to 1600 x 1200 at 85 Hz and 2048 x 1536 at 75 Hz LCD Interface: Supports 36/18bit LVDS TFT LCD up to 1280 x 1024
Power	Power Supply Voltage	+5 V power only
	Power Requirement	Typical: (1 GB DDR 266)
		+5 V @ 2.01 A (Intel Celeron M 600 MHz)
		+5 V @ 2.34 A (Intel Celeron M 373 0 KB)
	Max: (1 GB DDR 266)	
	+5 V @ 2.40 A (Intel Celeron M 600 MHz)	
	+5 V @ 2.86 A (Intel Celeron M 373 0 KB)	
Environmental	Operating Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
Mechanical	Dimensions (L x W)	95 x 114 mm (3.74" x 4.5")

Board Diagram



Ordering Information

Part No.	CPU	L2 Cache	Operation temp.
SOM-4486FL-M0A3E	Intel Celeron M ULV 600 MHz	512 KB	0 ~ 60° C
SOM-4486FL-S0A3E	Intel Celeron M ULV 1.0 GHz	0 KB	0 ~ 60° C
SOM-4486Z-M0A3E	Intel Celeron M ULV 600 MHz	512 KB	-20 ~ 80° C
SOM-4486Z-S0A3E	Intel Celeron M ULV 1.0 GHz	0 KB	-20 ~ 80° C
SOM-4486Z2-M0A3E	Intel Celeron M ULV 600 MHz	512 KB	-40 ~ 85° C
SOM-4486Z2-S0A3E	Intel Celeron M ULV 1.0 GHz	0 KB	-40 ~ 85° C

Development Board

Part No.	Description
SOM-DB4400-00A2E	Development Board for SOM-ETX Rev. A2