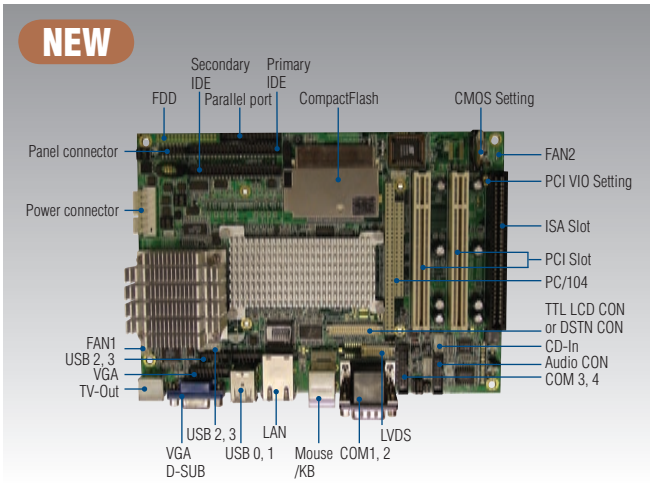
POD-6552

Onboard Intel® Celeron® M SBC with VGA/LCD and Ethernet



Features

- Supports for Intel® Celeron® M processor with fanless design
- Dual Display (CRT + LVDS, CRT + TV-Out, LVDS+TV-Out)
- Supports up to 400 MHz Processor Side Bus
- Supports up to 266 MHz DDR SODIMM
- Supports 100Base-T Ethernet on board
- Supports six USB 2.0 ports

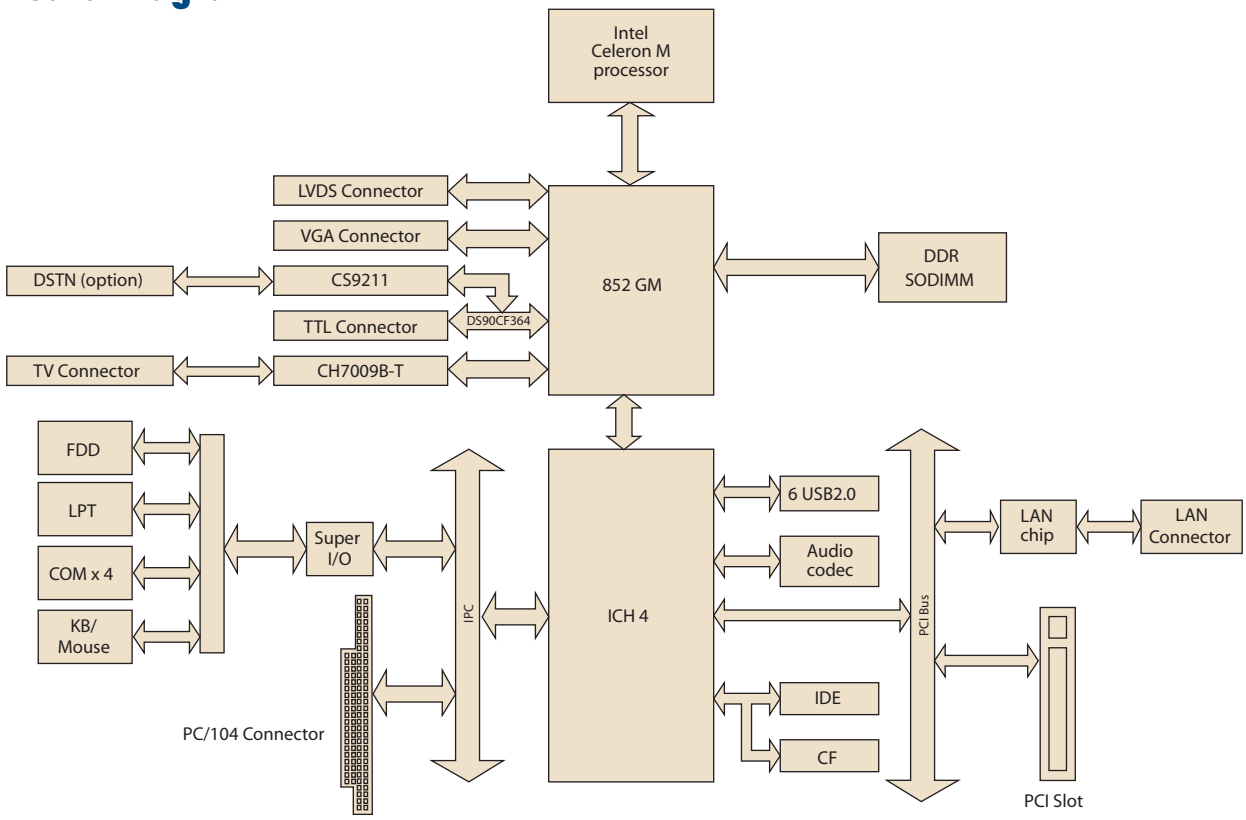
Specifications

Processor System	CPU	Intel ULV Celeron M 600 MHz/ 1.0 GHz Socket 479, for Celeron-M CPU
	Front Side Bus	400 MHz
	L2 Cache	up to 512 KB
	Chipset	Intel 852GM + ICH4
	BIOS	Award 4 Mbit
Memory	Technology	DDR 200/266
	Max. Capacity	1 GB
	Socket	1 x 200-pin SODIMM
SSD	CompactFlash	Card Type I, Type II
I/O Interface	LPT	1
	FDD	1 (optional)
	RS-232	3
	RS-232/422/485	1
	K/B	1
	Mouse	1
	USB	6 x USB 2.0
	Audio	AC97, Speaker out, CD-input, Line-in, Line-out, Mic-in
	IrDA	115 Kbps
EIDE	Mode	UDMA 100
	Channel	2
Expansion Slot	PCI	2 x PCI, 1 x 8-bit ISA
	PC/104	1
Ethernet	Speed	10/100Mbps
	Controller	Realtek RTL8139D
	Interface	RJ-45 by cable
Display	Controller	Intel 852GM
	VRAM	Optimized Shared Memory Architecture up to 64 MB system memory
	LVDS LCD	1 x 18-bit LVDS
	TTL	1 x 18-bit TTL
	TV-Out	Supports both NTSC/PAL, S-video or Composite Video
	Dual Independent Display	CRT + LVDS, CRT + TV-Out, LVDS+TV-Out
Environment	Operation Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	0% ~ 90% relative humidity, non-condensing
Power	Power Type	AT, ATX (Optional)
	Power Supply Voltage	+5 V, ±12 V ± 5%
	Power Consumption: Typical	(Win2000, Kpower) 1.9 A @ +5 V (W/Celeron M 600 MHz, 128 MB DDR333) 0.10 A @ +12V V (W/Celeron M 600 MHz, 128 MB DDR333)
	Power Consumption: Max, test in HCT	(Win2000, Kpower) 2.8 A @ +5 V (W/Celeron M 600 MHz, 128 MB DDR333) 0.25 A @ +12 V (W/Celeron M 600 MHz, 128 MB DDR333)
	Power Management	APM, ACPI
	Battery	Lithium 3 V / 196 mAH
Watchdog Timer	Output	System reset
	Interval	Programmable 1 ~ 255 sec
Physical Characteristics	Dimensions (L x W)	203 x 146 mm (8" x 5.75")
	Weight	0.85 kg (1.87 lb) (weight of total package)

All product specifications are subject to change without notice

Last updated : 1-Nov-2008

Board Diagram



Ordering Information

Part No.	CPU	L2 Cache	CRT	LVDS	TV out	10/100	Giga LAN	Audio	USB 2.0	RS-232	RS-232/ 422/485	LPT/ FDD/ KB/MS	CF	PCI Slot	Thermal Solution	Operation Temp.
POD-6552L-00A1E	Socket 479	--	Yes	18-bit	Yes	1	--	Yes	6	3	1	Yes	Yes	2	Active	0 ~ 60° C
POD-6552L-M0A1E	Celeron M 600 MHz	512 KB	Yes	18-bit	Yes	1	--	Yes	6	3	1	Yes	Yes	2	Passive	0 ~ 60° C
POD-6552L-S0A1E	Celeron M 1.0 GHz	--	Yes	18-bit	Yes	1	--	Yes	6	3	1	Yes	Yes	2	Passive	0 ~ 60° C

Optional Accessories

Part No.	Description
PCM-10586-6552E	Wiring kit for POD-6552

Packing List

Part No.	Description	Quantity
	POD-6552 SBC	1
	Startup Manual	1
	Utility CD	1
1703080101	7P/Big 4P x 2 Power Cable	1
	Heat sink 50 x 50 x 30 mm (POD-6552L-M0A1E, POD-6552L-S0A1E only)	1
	Cooler 50 x 50 x 35 mm (POD-6552L-00A1E only)	1