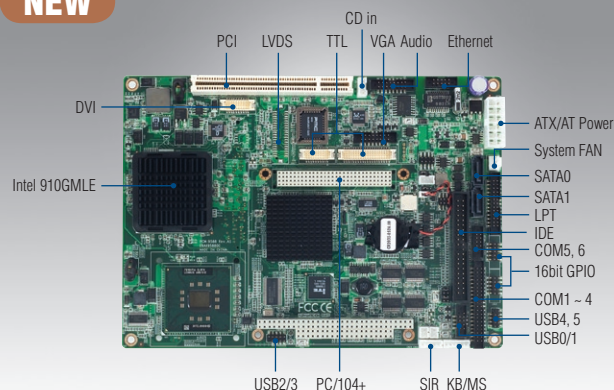


PCM-9588

Intel® Celeron® M EBX SBC with DVI/ TTL/ VGA/ LVDS/ LAN/ 6 COM/ 2 SATA/ 6 USB2.0

NEW



Features

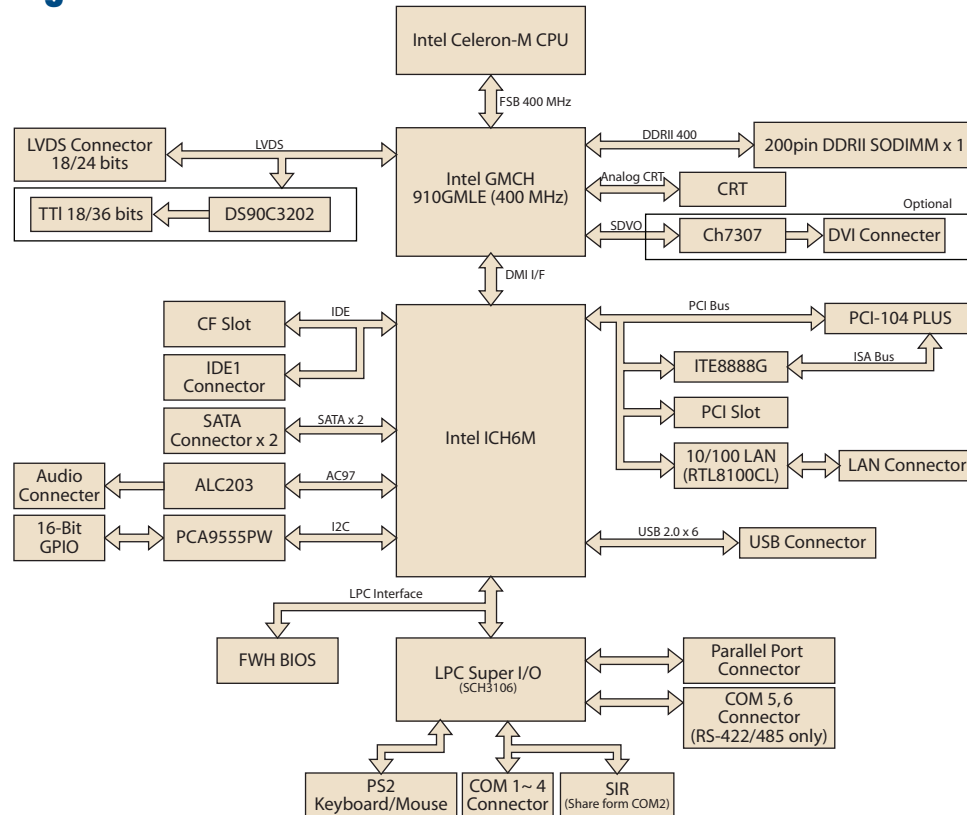
- Fanless design, Intel® Celeron® M 600 MHz/ 1.0 GHz
- One SODIMM up to 2 GB DDR2 400 MHz (910GMLE)
- Display Combination: CRT+ LVDS / DVI+ LVDS/ DVI+ CRT/ CRT+ TTL
- 10/100 Mbps Ethernet support, UL60601 Design, GIGA LAN optional
- Supports Wake-on-LAN, Wake-on-Modem
- Supports LCD backlight turn-off function
- AC97 Audio on board
- 6 COM (Supports Auto flow control), 2 SATA, 6 USB 2.0, 16-bit GPIO ports



Specifications

Processor System	CPU	Intel Celeron M 600 MHz	Celeron M 1 GHz
	Front Side Bus	400 MHz	400 MHz
	L2 Cache	512 KB	0 KB
	Chipset	Intel 910GMLE + ICH6M	Intel 910GMLE + ICH6M
	BIOS	Award 4-Mbit	Award 4-Mbit
Memory	Technology	DDR2 400 Downwards compatible for DDR2 533/667/800MHz	
	Max. Capacity	2 GB	
	Socket	1 x 200-pin SODIMM	
SSD	CompactFlash	Card Type I, Type II	
I/O Interface	LPT	1	
	RS-232	4	
	RS-232/422/485	2 (Default RS-422/485, RS-232 by optional request)	
	K/B	1	
	Mouse	1	
	USB	6 x USB 2.0	
	Audio	AC97, Line-in, Line-out, Mic-in, speaker out (R/L) (Support 8Ω 1 W or 4Ω 2 W Speaker for Speaker-out)	
	GPIO	16-bit general purpose input/output	
SATA	IrDA	115kbps (optional by request) shared from COM2	
	Max. Data Transfer Rate	150 MB/s	
EIDE	Channel	2	
	Mode	UDMA 33/66/100	
Expansion Slot	Channel	1	
	PC/104 Plus	1	
Ethernet	Speed	10/100 Mbps (10/100/1000 Mbps optional)	
	Controller	1 x Realtek RTL8100CL-LF (Optional RTL8110SCL-LF for Giga LAN)	
	Interface	1 x RJ-45 by cable	
Display	Controller	Intel 910GMLE	
	VRAM	Optimized Shared Memory Architecture up to 128 MB system memory	
	LVDS LCD	1 x 48-bit LVDS	
	DVI	Yes (Optional by request)	
	TTL	Yes, support 18/36-bit TTL (Optional by request)	
	VGA	Yes, up to QXGA (2048 x 1536)	
Environment	Dual Independent Display	CRT+ LVDS / DVI+ LVDS/ DVI+ CRT/ CRT+ TTL	
	Operating Temperature	0 ~ 60° C (32 ~ 140° F)	
	Operating Humidity	95% @ 60° C Relative Humidity	
Power	Power Type	AT / ATX	
	Power Supply Voltage	ATX: 5 V STB, +5 V ± 5%, ±12 V ± 5%, external 12 V option for LCD Inverter, PCI & PCI-104 Plus AT: 5 V only to boot up, external 12 V option for LCD Inverter, PCI & PC/104 Plus	
	Power Consumption Typical (XP)	5 V:3.67 A (C-M M 1 G with DDR2 400 1 GB)	
	Power Consumption Max, Test in HCT	5 V:3.67 A (C-M M 1 G with DDR2 400 1 GB)	
	Power Management	APM, ACPI	
	Battery	Lithium 3 V / 196 mAH	
	Watchdog Timer	System reset	
Physical Characteristics	Interval	Programmable 1 ~ 255 sec	
	Dimensions (L x W)	203 x 146 mm (8" x 5.75")	
	Weight	0.85 kg (1.87 lb) (with Heatsink)	

Board Diagram



Ordering Information

Part No.	CPU	L2 Cache	Memory	Chipset	LVDS	TTL	CRT	DVI	10/100 LAN	Audio	USB 2.0	SATA	RS-232	RS-232/422/485	GPIO	LPT	CF	PC/104+	ATX Power	AT Power	Thermal Solution	Operating Temp.
PCM-9588T-M0A1E	C-M 600 MHz	512 KB	SO-DIMM	910GML	-	Yes	Yes	-	1	Yes	6	2	4	2	16	1	1	1	Yes	Yes	Passive	0 ~ 60° C
PCM-9588F-S0A1E	C-M 1.0 GHz	0 KB	SO-DIMM	910GML	48bit	Optional	Yes	Yes	1	Yes	6	2	4	2	16	1	1	1	Yes	Yes	Passive	0 ~ 60° C
PCM-9588L-M0A1E	C-M 600 MHz	512 KB	SO-DIMM	910GML	48bit	-	Yes	-	1	Yes	6	2	4	2	16	1	1	-	Yes	Yes	Passive	0 ~ 60° C
PCM-9588Z-1GM0A1E	C-M 600 MHz	512 KB	Bundle 1 GB	910GML	-	Yes	Yes	-	1	Yes	6	2	4	2	16	1	1	1	Yes	Yes	Passive	-20 ~ 80° C

Optional Accessories

Part No.	Description
PCM-10586-9588E	Wiring kit for PCM-9588
1703100260	USB cable
CF-HDD-ADP	CompactFlash 50-pin to IDE 44-pin adapter

Packing List

Part No.	Description	Quantity
	PCM-9588 SBC	1
9689000002	Mini Jumper Pack	1
	Startup Manual	1
	Utility CD	1
1700001112	WIRE ATX-20P (M)/12P (F)+3P-2.0 mm 15 cm	1
1700006196	Power Cable 12P/Big 4P x 2 10 cm	1