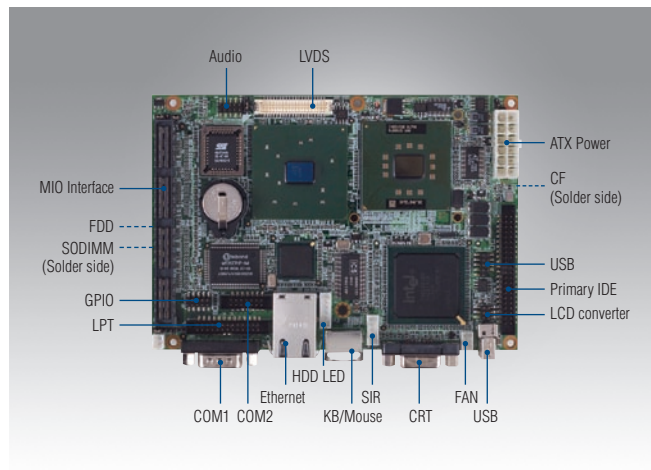


PCM-9386

**3.5" SBC with Intel® ULV Celeron® M,
VGA, LVDS, LAN, USB, MIO**



Features

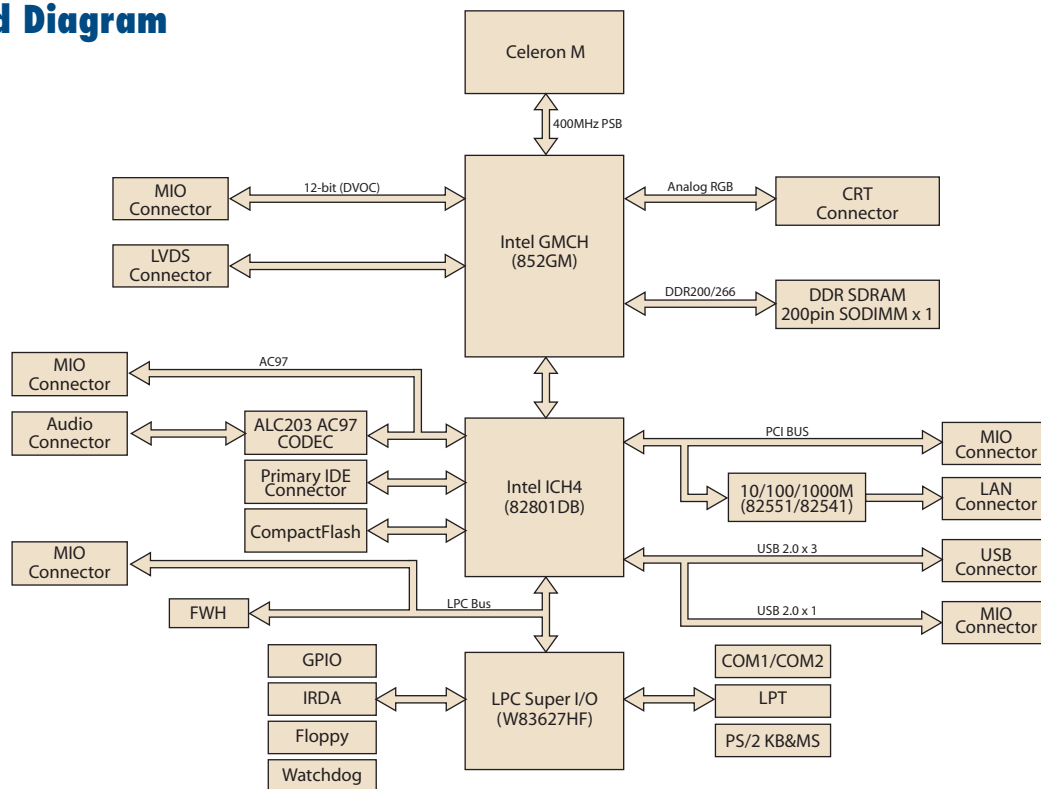
- Embedded Intel® ULV Celeron® M 600 MHz and 1.0 GHz processor
- 100BASE-T Ethernet; Gigabit Ethernet (optional)
- 2-channel (two x 18-bit) LVDS LCD display (two x 24-bit optional)
- Three USB 2.0 ports
- MIO Interface
- +5 V and +12 V power; or single +5 V power



Specifications

Processor System	CPU	Intel ULV Celeron M 600 MHz / 1 GHz
	Front Side Bus	400 MHz
	L2 Cache	Up to 512 KB (depending on CPU type)
	Chipset	Intel 852GM + ICH4
	BIOS	Award 4 Mbit
Memory	Technology	DDR 200/266 MHz
	Max. Capacity	1 GB
	Socket	200-pin SODIMM
SSD	CompactFlash	Card Type I
Rear I/O	VGA	1
	COM	1
	RJ-45	1
	USB	1
	K/B, Mouse	1
I/O Interface	LPT	1
	RS-232	1
	RS-232/422/485	1
	K/B	1
	Mouse	1
	USB	3 x USB 2.0
	Audio	AC97, Lin-in, Lin-out, Mic-in
	IrDA	115 kbps, SIR, IrDA 1.0 complaint (optional)
	GPIO	8-bit general purpose Input/Output
	SMBus	Supported
EIDE	Mode	UDMA33
	Channel	1
Expansion Slot	MIO 160	1
Ethernet	Speed	10/100Mbps 10/100/1000Mbps (optional)
	Controller	Intel 82551QM (with Wake on LAN) Intel 82541PI (Gigabit, Optional)
	Interface	1 x RJ-45
Display	Controller	Intel 852GM
	VRAM	Optimized Shared Memory Architecture up to 64 MB system memory
	LVDS LCD	1 x 36-bit LVDS (48-bit LVDS optional), Panel 16:9 wide screen panel supported
	TV-Out	Optional, by MIO-6254 module
	Dual Independent Display	CRT + LVDS CRT + DVI / LVDS+ DVI (w/MIO-6254)
Environment	Operation Temperature	0 ~ 60° C (32 ~ 140° F)
	Operating Humidity	10% ~ 90% relative humidity, non-condensing
Power	Power Type	AT / ATX
	Power Supply Voltage	+5 V ±5%, +12V ±5%, or supports single +5 V power only
	Power Consumption	Max. : +5 V @ 2.0 A +12 V @ 0.02 A (Celeron M 600)
	Power Management	APM1.2, ACPI2.0, wake on LAN, and modem ring-in functions
	Battery	Lithium 3 V / 196 mAh
Watchdog Timer	Output	System reset
	Interval	Programmable 1 ~ 255 sec
Physical Characteristics	Dimensions (L x W)	146 x 102 mm (5.7" x 4")
	Weight	0.85 kg (1.87 lb), weight of total package

Board Diagram



Ordering Information

Part No.	CPU	CRT	LVDS	DVI	10/100	Giga	USB	RS-232	RS-232/422/485	LPT	GPIO	IrDA	CF	MIO
PCM-9386F-M0A2E	Celeron M 600 MHz (512 KB)	1	1	0	1	optional	3	1	1	1	4 in, 4 out	optional	1	1
PCM-9386F-S0A2E	Celeron M 1 GHz (0 KB)	1	1	0	1	optional	3	1	1	1	4 in, 4 out	optional	1	1

Packing List

Part No.	Description	Quantity
9689000002	PCM-9386 SBC	1
	Mini Jumper Pack	1
	Startup manual	1
	Utility CD	1
1703100152	Audio cable	1
1701440351	IDE 44 pin	1
1703100121	USB 2 port Cable	1
1700260250	Parallel port cable	1
1700060202	Keyboard/Mouse cable	1
9681000044	26-34 pin FDD adapter	1
1701260125	FDD Cable for Slim FDD	1
1701340700	Flat cable 34 pins for FDD	1
1701140201	Second serial port cable	1
1700000265	ATX power cable 20P-12P cable	1

Optional Accessories

Part No.	Description
MIO-6251	MIO module w/2 x Mini PCI, Audio
MIO-6253	MIO module with 4 COM ports
MIO-6254	MIO module w/DVI, S-Video, Audio
MIO-6255	MIO module w/2 x Cardbus
MIO-6260	MIO module w/4 x USB, 2 x COM, 1 x LAN

Embedded OS

Part No.	Description
2070000584	Win CE 4.2 P-M Core Image, PCM-938x, 2 COM, English, V 1.10 (17.2 MB) (Optional)
2070000585	Win CE 4.2 P-M Pro Image, PCM-938x, 2 COM, English, V 1.10 (29.1 MB) (Optional)
2070000586	Win CE 4.2 P-M Plus Image, PCM-938x, 2 COM, English, V 1.10 (29.9 MB) (Optional)
2070000765	Image CE 5.0 Pro Plus English for P-M, 2COM (Optional)
2070000605	Win XPE SP2 Image, PCM-938x, English, V2.10 (440 MB) (Optional)