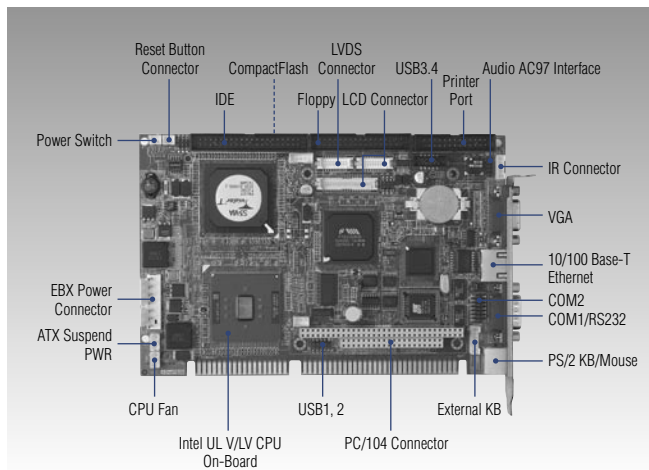


PCA-6773

ISA based Slot-PC w/Intel® Celeron® ULV400, 650/Pentium® LV800, 933, supporting VGA/LVDS/LAN/CFC and PC/104



Specifications

General

- **CPU** Onboard Intel Celeron ULV400, 650/Pentium LV800, 933 MHz CPU (optional)
- **2nd Cache Memory** Celeron ULV400, 650: 256 KB
Pentium III LV800, 933: 512 KB
- **System Chipset** VIA® VT8606 "TwisterT"+VT82C686B
- **BIOS** AWARD® 256 kbit Flash BIOS
- **System Memory** 1 x SDRAM SODIMM, Max. 512 MB (optional: 2 x SODIMM, Max. 1 GB)
- **Power Management** APM 1.2
- **SSD** Supports CompactFlash®. Card type/II
- **Watch Dog Timer** 1 ~ 62 sec, System reset or IRQ11
- **Expansion Interface** 1 x 16-bit ISA slot, 1 x PC/104 connector
- **Battery** Lithium 3 V/196 mAH

I/O

- **I/O Interface** 1 x EIDE (ATA-100), 1 x FDD, 1 x K/B, 1 x Mouse, 1 x RS-232/422/485, 1 x RS-232, 1 x LPT
- **USB** 4 x USB ports, USB 1.1 compliant
- **Audio** Supports AC97 Audio with optional PCM-231A-00A1E
- **IrDA** 115 kbps SIR, IrDA 1.0 compliant
- **GPIO** 4 x in/out
- **I/O Expansion** PC/104, ISA

Ethernet

- **Chipset** Intel 82551ER, 82551QM (optional)
RealTek 8100C (optional)
- **Speed** 10/100Base-T
- **Interface** 1 x RJ-45
- **Standard** IEEE 802.3u (100Base-T) protocol compatible
- **Boot ROM** Optional

Features

- Intel® Celeron® ULV400, 650/Pentium® LV800, 933 CPU on board (optional)
- Onboard PCI SVGA VGA/LCD display
- Four AGP graphics for high performance applications
- Low power consumption, requires no CPU cooling fan (ULV400, 650)
- 10/100 Mbps Ethernet
- Supports boot from USB device
- Supports wake-on-LAN (Optional: Intel 82551QM, Realtek 8100C)
- Supports call-up by Modem
- Supports LVDS interface
- Supports LCD backlight turn-off function
- RS-485 auto-flow

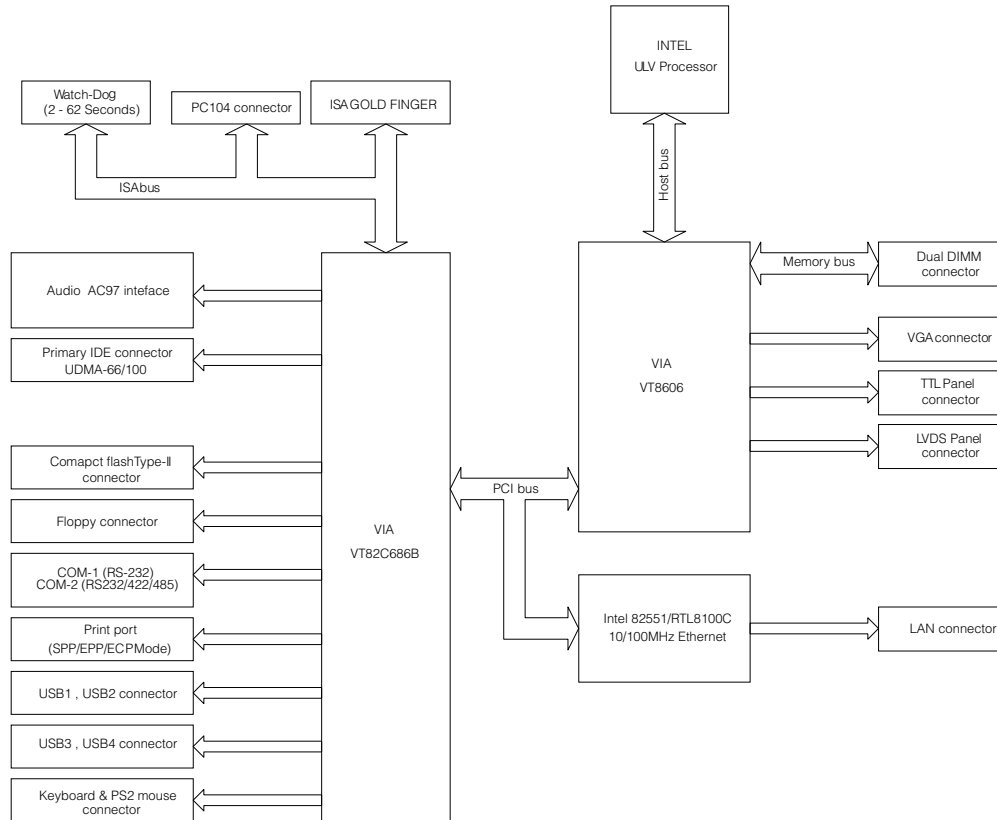
Display

- **Chipset** VIA TwisterT chip with integrated Savage4 2D/3D/Video Accelerator
- **Memory Size** Supports 8/16/32 MB frame buffer with system memory
- **Resolution** CRT Modes:
1280 x 1024 @ 16 bpp (60 Hz)
1024 x 768 @ 16 bpp (85 Hz)
800 x 600 @ 16 bpp (60 Hz)
LCD/Simultaneous Modes:
1280 x 1024 @ 16 bpp (60 Hz)
1024 x 768 @ 16 bpp (60 Hz)
1280 x 1024 @ 32 bpp
- **LCD Interface** Supports for 9, 12, 15, 18, 24, 36 bit TFT
- **LVDS Interface** Supports LVDS interface
- **TV-Out** N/A
- **Dual Independent Display** N/A

Mechanical and Environmental

- **Dimension (L x W)** 185 x 122 mm (7.3" x 4.8")
- **Weight** 0.27 kg (weight of total package)
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F), operation
- **Operating Humidity** 0% ~ 90% relative humidity, non-condensing
- **Power Supply Voltage** +5 V, +12 V ± 5%
- **Power Consumption** Max: 5 A @ +5 V, 201 mA @ +12 V (with 128 MB SDRAM, Intel ULV-400 MHz CPU)
Typical : 2.55 A @ +5 V, 48 mA @ +12 V (with 128 MB SDRAM, Intel ULV-400 MHz CPU)

Board Diagram



Packing List

- 1 x PCA- 6773 SBC
- 1 x Y Cable for PS/2 Keyboard, PS/2 Mouse (p/n:1700060202)
- 1 x E-IDE (HDD) Cable (600 mm) (p/n:170140060A)
- 1 x FDD Cable (700 mm) (p/n:1701340705)
- 1 x COM Port Cable (p/n:1701140201)
- 1 x ATX/AT Power Cable (p/n:1703080101)
- 1 x Mini Jumper (p/n:1653302122)
- 1 x Startup Manual
- 1 x Utility CD

Optional Accessories

- **PCA-6104-0C2E** 4-slot ISA backplane
- **PCA-6106-0B2E** 6-slot ISA backplane
- **PCA-6108-0C2E** 8-slot ISA backplane
- **IPC-644-15ZE** 4-slot ISA chassis w/backplane & 150 W power supply
- **IPC-6806-20ZBE** 6-slot ISA chassis w/backplane & 200 W power supply
- **IPC-6606BP-25ZE** ISA chassis with 250 W power supply
- **IPC-6606BP-30ZE** ISA chassis with 300 W power supply
- **PCM-231A-00A1E** Audio module with Line-in, Line-out, Mic
- **1703100260** USB cable adapter (2.00 mm)
- **9689000042** IrDA adapter
- **CF-HDD-ADP** CompactFlash 50-pin to IDE 44-pin adapter

Ordering Information

Standard	CRT	LVDS	TTL	10/100	USB	RS-232	RS-232/422/485	LPT	GPIO	IrDA	CF	PC-104
PCA-6773-J0A1E	1	1	1	1	4	1	1	1	8-bit	115 kbps	Type I/II	1
PCA-6773-M0A1E	1	1	1	1	4	1	1	1	8-bit	115 kbps	Type I/II	1
PCA-6773-R0A1E	1	1	1	1	4	1	1	1	8-bit	115 kbps	Type I/II	1

IPC-644

4-slot Ultra-compact Wallmount/Desktop Chassis with 150 W ATX Power Supply

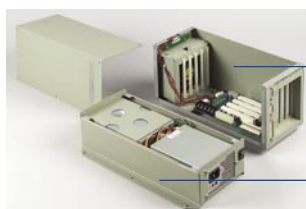


Features

- Ultra-compact wallmount/desktop IPC chassis
- Supports up to 4 half-sized cards
- Supports one 3.5" FDD and one internal 3.5" HDD
- Power switch on the rear plate
- One 53-CFM cooling fan
- Equipped with 150 W ATX power supply
- Easy-to-replace fan filter
- Reserved I/O port openings (two 9-pin and one 25-pin) on the rear plate

Specifications

Drive Bay	3.5"	Front-accessible	Internal
		1	1
Cooling	Fan	1 (53 CFM)	
	Air Filter	Yes	
Miscellaneous	Control	Power on/off switch and system reset button	
	Indicators	Power status and HDD activity	
	Rear Panel	Reserved two 9-pin COM and one 25-pin printer port openings	
Environment	Temperature	Operating	Non-Operating
		0 ~ 40° C (32 ~ 104° F)	-20 ~ 60° C (-4 ~ 140° F)
	Humidity	10 ~ 85 % @ 40° C, non-condensing	10 ~ 95 % @ 40° C, non-condensing
	Vibration (5 ~ 500 Hz)	1 Grms	2 G
	Shock	10 G (with 11 ms duration, half sine wave)	30 G
	Acoustic Noise	Less than 52 dB sound pressure at 5 ~ 28° (41 ~ 82° F)	
Physical Characteristics	Altitude	0 to 3,048 m (0 ~ 10,000 ft)	
	Dimensions (W x H x D)	135 x 209 x 305 mm (5.3" x 8.2" x 12")	
	Weight	5.0 kg (11.4 lb)	



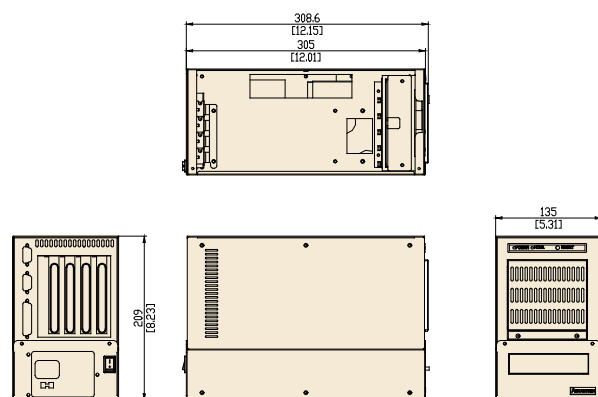
Upper cage to hold 4 half-sized cards

Lower deck for one 3.5" FDD, one internal 3.5" HDD & power supply



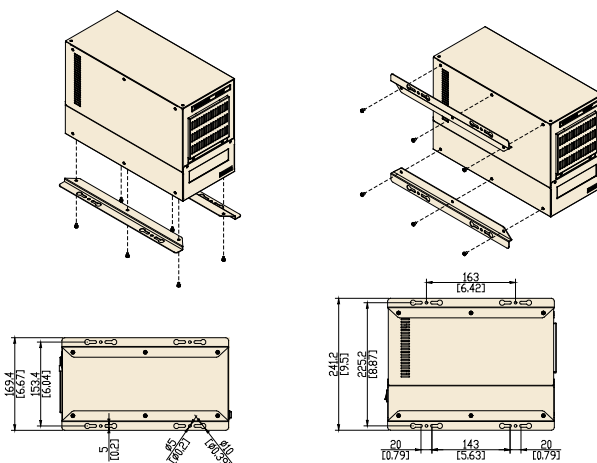
Easy-to-maintain cooling fan

Dimensions



Unit: mm (inch)

Installation



Unit: mm (inch)

Power Supply Options

Part Number	Specifications					
	Watt	Input	Output	Mini-load	Safety	MTBF
1757000170G (ATX, PFC)	150 W	AC 115/230 V (selectable)	+5 V @ 15 A, +3.3 V @ 17 A, +12 V @ 8 A, -12 V @ 0.8 A, -5 V @ 0.5 A, +5 Vsb @ 2 A	+5 V @ 1 A +3.3 V @ 0.5 A, +12 V @ 2 A, +5 Vsb @ 0.1 A	UL/ TUV/CB	100,000 hrs @ 25° C

Accessories

Part Number	Description
1999806020	Fan filter 100 x 90 x 3 mm

Ordering Information

Part Number	Power Supply	Backplane	Regulation	Switch
IPC-644BP-15ZE	1757000170G	-	CE	AT