

Middle-size Single Board Computer for PCI

GPC-8450-LA [SPC-8450-LVA]



- Supports Intel® Pentium® 4 1.7-2.8GHz (FSB400/533MHz) and Celeron® 1.7-2.6GHz (FSB400MHz), Intel® Celeron® D 2.26-2.8GHz (FSB533MHz) (Socket478)
- Pentium® 4 solution on half-size PCI board
- Supports up to 1GB SDRAM (max)
- Type I / II CF card slot - bootable
- Equipped with DVI-I I/F, easily connects with CONTEC's touch screen LCD displays



Model	GPC-8450-LA
CPU*1	Intel® Pentium® 4 Processor 1.7GHz to 2.8GHz (FSB 400/533MHz) Intel® Celeron® Processor 1.7GHz to 2.6GHz (FSB 400MHz) (Northwood Core only) Intel® Celeron® D Processor 2.8GHz to 2.8GHz (FSB 533MHz)
Cache	Built in CPU
Processor socket	Socket 478
Memory (Option)	1x 200-pin socket, PC2100 (DDR266) SDRAM, up to 1GB
Chipset	Intel® 845GV + ICH4
BIOS	Award BIOS, PnP support
VGA	Built in Intel® 845GV, 1 x DVI connector
Keyboard / Mouse	1 x PS/2 keyboard / Mouse connector (Y cable included) 1 x 5pin box-header for external keyboard
Serial I/F	1x 10pin box-header - COM1: RS-232C, 1x 10pin box-header - COM2: RS-232C / 422A / 485
Parallel I/F	1x 26pin box-header
On board expansion bus	-
Wired LAN	100BASE-TX/10BASE-T, Intel® ICH4 1 x RJ-45 connector, Wake On LAN support
IDE I/F	1 x EIDE connectors, Ultra DMA 33/66/100
SATA I/F	-
FDD I/F	1x 34pin box-header, 2 modes
Compact Flash Slot	1x bootable CF card (Type I/II) slot
SSD Socket	-
USB Port	3ch USB2.0-compliant ports, 1 x box-header 10-pin connectors (2ch), 1 x USB type A connectors (1ch)
RAID	-
Audio	AC97 CODEC, 1x 10-pin header connector (line-out, line-in, microphone-in)
Watchdog Timer	255 levels (1 - 255Sec.) Reset when time up
Hardware Monitor	Monitors CPU and board temperature, power supply voltage and fan speed
Lithium Battery Life	CR2450 battery / Expected backup time with no power @ 25°C is > 7 yrs
Power Management	Power management setup via BIOS, Modem Ring On/Wake On LAN, Supports PC98/PC99 ACPI Power management
Bus specification / Size	PCI / 223mm (L) x 122mm (H) [8.8 inch x 4.8 inch]
Power consumption (Max.)	[Pentium 4 2.4GHz], +5VDC, 5.40A +12VDC, 6.20A, +5VSB (Stand by), 0.65A
Operating temperature/ Humidity	0~60°C / 10~90%RH (No condensation)
Weight	360g [13.7 oz]
Notes	*1: Please visit our website for updated information on supported CPUs.

■ Packing List

GPC-8450-LA	
Product Guide	1
Drivers & Utilities (CD-ROM) *	1
IDE 80-pin Ribbon Cable	1
FDD Ribbon Cable	1
Serial port Ribbon Cable (with Bracket)	1
Parallel Port Ribbon Cable (with Bracket)	1
Audio Cable (with Bracket)	1
6-pin mini-DIN Cable (Y Cable)	1
DVI-Analog RGB Conversion Adapter	1
+12V power cable	1

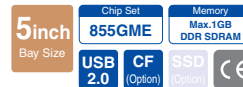
*User's Manual included on CD-ROM.

■ Optional Accessories

GPC-8450-LA	
CPU (with FAN)	
PCP4-24	Pentium 4 2.4GHz *2
PCP4-28S	Pentium 4 2.8GHz *3
PCP4C-20	Celeron 2.0GHz *2
PCP4C-20S	Celeron 2.0GHz *3
Memory (PC2100 SDRAM Non-Parity)	
PC-MDD256-184A	200-pin SO-DIMM DDR (PC2100, 256MB)
PC-MDD512-184A	200-pin SO-DIMM DDR (PC2100, 512MB)
PC-MDD1G-184A	200-pin SO-DIMM DDR (PC2100, 1GB)
CABLE	
USB Connector	USB connector shielded cable

*2: Due to the size of the attached heat sink and fan, three (3) adjacent slots are unusable.

*3: Due to the size of the attached heat sink and fan, only boards that are 122mm or shorter can be used in the adjacent four (4) slots.

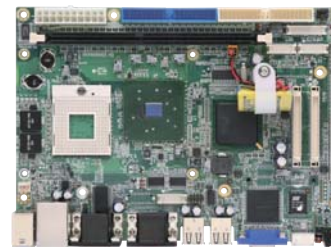


5-inch Single Board Computer

for Socket 478 (Pentium M)



- Compatible with Intel® Pentium® M 1.6G~2.0GHz, Intel® Celeron® M 1.3G~1.5GHz
- Intel® 855GME+ICH4 chip set
- Supports up to 1GB DDR SDRAM, ECC support
- Features interfaces for Analog RGB, LVDS, EIDE, 6 x serial (RS-232C) ports, and 6 x USB2.0
- Analog RGB and LVDS interfaces supports Dual View
- Type I CF card slot - bootable



Model	GLC-8550-LA
CPU ** (Option)	Intel® Pentium® M (FSB400MHz) 1.6G to 2.0GHz Intel® Celeron® M (FSB400MHz) 1.3G to 1.5GHz 478-pin µFC-PGA
Cache	Built in CPU
Processor socket	Socket 478
Memory (Option)	1 x 184-pin DIMM socket, PC2700 DDR SDRAM up to 1GB, ECC support
Chipset	Intel® 855GME+ICH4
BIOS	Award BIOS, PnP support
VGA	Built in Intel® 855GME, 1 x Analog RGB interface (15-pin HD-SUB connector), 1 x LVDS (18bit) interface (1x 20pin and 1x 30pin box-header)
Keyboard / Mouse	1 x PS/2 keyboard / Mouse connector (Y cable included) External key board, mouse signal built-in [CN11]
Serial I/F	4x front 9pin D-SUB connectors (RS-232C) 1x 20pin box-header / 2ch RS-232C
Parallel I/F	-
On board expansion bus	PCI slot **
Wired LAN	100BASE-TX/10BASE-T, Intel ICH4, 1 x RJ-45 connector, Wake On LAN support
IDE I/F	1 x EIDE connectors, Ultra DMA 33/66/100 Secondary port: shared with CF card slot *3
SATA I/F	-
FDD I/F	-
Compact Flash Slot *4	1x bootable CF card (Type II) slot
SSD Socket	-
USB Port	6ch USB 2.0 compliant ports, 6 x USB Type A connectors
RAID	-
Audio	AC97 CODEC, 1x 10-pin header connector (line-out, line-in, microphone-in)
Watchdog Timer	255 levels (1 - 255Sec.) Reset when time up
Hardware Monitor	Monitors CPU and board temperature, power supply voltage and fan speed
Lithium Battery Life	>10 years with no power at 25°C
Power Management	Power management setup via BIOS, Modem Ring On/Wake On LAN, Supports PC98/PC99 ACPI Power management
Bus specification / Size	203mm (L) x 145mm (H) [7.99 inch x 5.92 inch]
Power consumption (Max.)	Using Pentium® M 1.6GHz +5VDC: 9.0A / +12VDC: 0.25A (fan) / +5VSB: 1.0A (Stand by)
Operating temperature	0~60°C *5
Humidity	10~90%RH (No condensation)
Weight	360g
Notes	*1: The PCI slot signal pins differ from standard PCI slots. Installed boards CAN NOT use the following signals - A side: A1, A3, A4, A9, A11, A14, A40, A41 / B side: B2, B4, B9, B10, B11, B14, B16, B18. *2: Secondary IDE port cannot be set to UltraDMA/66/100 when CF card is used. *3: Secondary IDE port can only support one drive when CF card is in use. *4: CF card slot does not support hot swap. *5: Dependent upon CPU and heat sink specifications.

As shown on the side of product's images, RoHS compliant is a CONTEC original marking for RoHS-compliant products.

■ Packing List

GLC-8550-LA	
Manual	1
Drivers & Utilities (CD-ROM) *	1
IDE 80-pin Ribbon Cable	1
IDE 40-pin Ribbon Cable	1
Combination screw for D-SUB connector	10
6-pin mini-DIN Cable (Y Cable)	1

*User's Manual included on CD-ROM.

■ Options for CPU Board

GLC-8550-LA	
CPU with Heatsink	
GPCPM-16	Pentium M processor 1.6GHz w/Heat sink
GPCPMC-13	Celeron M processor 1.3GHz w/Heat sink
CPU with Heatsink and Fan	
GPCPM-16F	Pentium M processor 1.6GHz w/Heat sink Fan
GPCPMC-13F	Celeron M processor 1.3GHz w/Heat sink Fan
Cooling Parts	
Heatsink	Heat sink for GLC-8550-LA
Heatsink + FAN	Heat sink Fan for GLC-8550-LA
Memory	
PC-MDD256-184A	DDR SDRAM DIMM(PC2700 256M)
PC-MDD512-184A	DDR SDRAM DIMM(PC2700 512M)
PC-MDD1G-184A	DDR SDRAM DIMM(PC2700 1GB)