

Flat Panel Displays

Analog RGB Input, Slimline Design

FPD-21 Series (AC Input Type)

Panel-Mount Analog RGB input Flat Panel Display



15" TFT color
XGA (1024x768)

GFPD-H21XT-AC
[FPD-H21XT-AC]



12.1" TFT color
SVGA (800x600)

GFPD-L21ST-AC
[FPD-L21ST-AC]

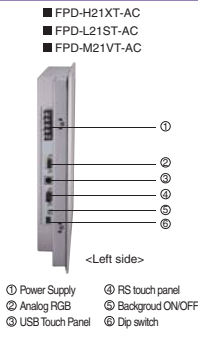


10.4" TFT color
VGA (640x480)

GFPD-M21VT-AC
[FPD-M21VT-AC]

Analog RGB Touch Panel IP65 NEW RoHS Compliant

Comments of Interface



Manual and touch-panel drivers are available on CD-ROM or you can download them for free from our Web site. AC power supply (IPC-ACCODE3) is purchased separately.

Features

- General-purpose analog RGB compliant input. RS-232C or USB** touch screen connection
- Auto-scaling function adjusts the input screen size to fit the LCD configuration
- On-screen display setup for easy screen adjustment
- IP65-compliant dustproof/waterproof front panel *2
- Panel size is compatible with IPC-DT/x6x series
- USB multi touch-panel configuration
- Backlight can be turned ON/OFF via front panel, software and external signals

Specifications

Model	GFPD-H21XT-AC	GFPD-L21ST-AC	GFPD-M21VT-AC
Assembly / Display type	Panel mounted / TFT Color LCD		
Screen Size	15"	12.1"	10.4"
Resolution	1024 × 768 (XGA)	800 × 600 (SVGA)	640 × 480 (VGA)
Number of Colors	16, 777, 216	262,144	
Screen Control	Automatic adjustment (display positioning and scaling), Brightness Control Manual adjustment using the front switches		
Backlight Control	Adjustment using the front switch or software control from the host computer		
Display I/F	On or off via OSD switch or via software control from the host computer		
Incoming Signal	Analog RGB input HD-SUB 15-pin (female) connector		
Image signal	Separate RGB, analog, positive polarity: 0.7Vp-p/75 Ω		
Sync signal	Separate V/H, TTL, positive/negative polarity		
Hor. / Ver. Scan Frequency	31 to 38kHz / 60 to 72Hz	31 to 48kHz / 56 to 72Hz	31 to 60kHz / 56 to 75Hz
Cable Length	5m or less **		
Touch Panel			
Resolution	4,096x4,096		
Detection Method	Analog resistive		
Touch Life Expectancy	One million repeated touches (3N silicon rubber load, speed 2 times/sec)		
Touch Panel I/F	Connect to the host computer using either USB** or RS-232C: USB: USB1.1-compliant, Type-B Connector; RS-232C: 9-pin D-SUB (male) Connector		
Input power supply voltage	Auto-switched 85 - 132VAC / 170 - 265VAC (47 - 63Hz) input		
Power Consumption (Max.)	60VA	40VA	36VA
Operating / Storage Temp / Humidity	0-50°C / -10-60°C / 10-90%RH (no condensation)		
Floating Dust Particles / Corrosive Gases	IP20 (Normal) / None		
Ingress protection	Front panel - IP65-compliant		
Dimensions (mm)	373(W)×54(D)×304(H)	316(W)×54.5(D)×256(H)	305(W)×51.5(D)×240(H)
Weight	4.5kg	3.2kg	3.0kg

*1: The quality of the image may decrease if a cable longer than 5m is used. Since display quality can also be affected by the host computer or the type of cable, even those shorter than 5M, please select an appropriate length cable.
*2: USB Touch Panel option is only available when using Windows® XP/2000/98SE.

Optional Accessories

Name	Description	Name	Description
Protective Screen Covers			
IPC-CV	Protective Covers for 10.4" display (10pcs)	Cable	
IPC-CV12	Protective Covers for 12.1" display (10pcs)	IPC-ACCODE3	AC power cable (2m, 125VAC)
IPC-CV15	Protective Covers for 15" display (10pcs)	IPC-CBL3-2	Touch Panel COM cable (2m)
		IPC-CBL3-5	Touch Panel COM cable (5m)
		Driver	
		IPC-SLIB-01	Driver & Utility software (CD-ROM)

The user's manual (PDF) can be downloaded from CONTEC's homepage.

Additional G-Series Displays

Model	Description
ITLCD-15L(X)-A	15", TFT, Flat Panel Display (XGA) AC input
ITLCD-15L(X)-A(T)	15", TFT, Touch screen, Flat Panel Display (XGA) AC input

BOARD-PC

PICMG (PCI/ISA) Full Size

Chip Set: **855GME**

Memory: Max 2GB DDR SDRAM

USB 2.0, Audio, CF (Option), SSD (Option), CE

Full-size Single Board Computer for PICMG

GPI-8550-LLAS [SPI-8550-LLVAS]

CPU Option, Fan-less, Analog RGB, Dual LAN, DVI, SATA

Full-size Single Board Computer for PICMG

GPI-8550-LA [SPI-8550-LA]

CPU Option, Fan-less, Analog RGB, LAN

COMMON:

- Supports Intel® Pentium® M 1.6G-2.0GHz, Intel® Celeron® M 1.3G-1.5GHz
- Supports up to 2GB DDR SDRAM, ECC support
- LCD can be connected directly to LVDS port
- Type I/II CF card slot - supports boot-up from CF card

GPI-8550-LLAS

- 2 serial ATA(SATA) - supports RAID
- On-board DVI-I and LVDS - supports Dual View
- GB LAN [Intel 82541 controller]

GPI-8550-LA

- Analog RGB and LVDS - supports Dual View



Model	GPI-8550-LLAS	GPI-8550-LA
CPU ** (Option)	Intel® Pentium® M Processor 1.6GHz to 2.0GHz (FSB400MHz) Intel® Celeron® M Processor 1.3GHz to 1.5GHz (FSB400MHz)	
Cache	Built in CPU	
Processor socket	Socket 478	
Memory (Option)	2 x 184-pin SO-DIMM sockets, PC2700 DDR SDRAM for up to 2GB ECC support	
Chipset	Intel® 855GME + ICH4	
BIOS	Phoenix BIOS, PnP support	
VGA	Built in Intel 855GME 1 x LVDS connector 1 x DVI-I connector	1 x Analog RGB
Keyboard / Mouse connector	1 x PS/2 keyboard / Mouse connector (Y cable included) 1 x 5pin box-header for external keyboard	
Serial I/F	1 x 10pin box-header - COM1: RS-232C 1 x 10pin box-header - COM2: RS-232C / 422 / 485	
Parallel I/F	1 x 26pin box-header	
On board expansion bus	1 x 100BASE-TX, Intel ICH4 100BASE-T/100BASE-TX, Intel ICH4	
LAN Port	2 x RJ-45 connector, Wake On LAN support	1 x RJ-45 connector, Wake On LAN support
IDE I/F	2x IDE ports, up to 4x devices, supports Ultra DMA 33/66/100*, 2x 40-pin box-headers	
SATA I/F	2x Serial ATA 1.0 connectors	
FDD I/F	1x 34pin connector, 2 modes	
Compact Flash Slot	1x bootable CF card (Type II) slot	
SSD Socket	-	
USB Port	6ch USB 2.0-compliant, 3x 10pin box-headers	
RAID	Supports RAID 0/1	-
Audio	AC97 Codec, 1x 10pin header connector	
Watchdog Timer	255 levels (1-255Sec.), Reset when time up	
Hardware Monitor	Monitors CPU and board temperature, power supply voltage and fan speed	
RTC	CR2450 battery / Expected backup time with no power @ 25°C is > 7 yrs	
Power Management	Power management setup via BIOS, Modern ring On /Wake on LAN, Supports PC98 / PC99 ACPI power management	
Bus specification / Size	PICMG / 388mm(L) x 122mm(H)	
Power consumption (Max.)	[Pentium M 1.6GHz] +5VDC: 9.0A +12VDC: 0.25A 5VSB(Stand by): 0.5A	
Operating temperature	0-60°C, dependent upon CPU and heat sink specifications	
Humidity	5-90%RH (No condensation)	
Weight	390g	
Notes	*1: Please visit our website for updated information on supported CPUs. *2: Secondary IDE port cannot be set to Ultra DMA 66/100 when CF card is used.	

Packing List

GPI-8550-LLAS / GPI-8550-LA	
Product Guide	1
IDE 80-pin Ribbon Cable	1
SATA Cable	4
FDD Ribbon Cable	1
Drivers & Utilities (CD-ROM) *	1
Serial port (9-pin D-SUB male x 2) Ribbon Cable (with Bracket)	1
Audio Jack Cable (with Bracket)	1
6-pin mini-DIN Cable (Y Cable)	1

*User's Manual included on CD-ROM

Optional Accessories

GPI-8550-LLAS / GPI-8550-LA	
CPU with Heatsink	
GPCPM-16	Pentium M processor 1.6GHz w/Heat sink
GPCPM-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
GPCPM-13F	Celeron M processor 1.3GHz w/Heat sink Fan
Cooling Parts	
Heatsink	Heat sink for GLC-8550-LA, GPC-8520-LA, GPI-8550-LA/LLAS
Heatsink + Fan	Heat sink Fan for GLC-8550-LA, GPC-8520-LA, GPI-8550-LA/LLAS
Memory	
PC-MDD256-184A	DDR SDRAM DIMM(PC2700 256M)
PC-MDD512-184A	DDR SDRAM DIMM(PC2700 512M)
Cable	
USB Connector Cable	USB connector shielded cable
IDE-66 Cable	IDE Ultra ATA 100/66(80-pin Ribbon Cable)