

TPC121 12.1" Touch Panel PC

H61



Features

- 3rd Generation Intel® Core™ processors
- 2nd Generation Intel® Core™ processors
- Intel® H61 Express chipset
- 12.1" 1024x768 TFT LCD Panel with Touch Screen
- IP65 front panel protection
- 1 2.5" SATA drive bay
- 2 USB 2.0 at the front panel for easy access
- 5 function keys at the front panel
- Built-in antenna for optional Wi-Fi
- VESA/ Wall/ Panel Mount



System Specifications

PROCESSOR SYSTEM

- Processors:
 - 3rd generation Intel® Core™ processors
 - 2nd generation Intel® Core™ processors
 - Supports up to 65W TDP
- Intel H61 Express chipset

MEMORY

- Two DDR3 1333/1600MHz SODIMM sockets (3rd generation processors)
- Two DDR3 1066/1333MHz SODIMM sockets (2nd generation processors)
- Supports up to 16GB system memory

LCD and TOUCH SCREEN

- 12.1" 1024x768 TFT LCD panel with touch screen
- Supports 5-wire Resistive Touch
- 30,000 MTBF LED backlight
- Brightness (cd/m²): 500

GRAPHICS

- Intel® HD Graphics
- Display ports: HDMI and DVI-I
- HDMI and DVI-I display resolution up to 1920x1200

STORAGE

- 1 2.5" SATA drive bay
- 1 optical drive bay (optional)

ETHERNET

- 1 Intel W82579LM Gigabit Ethernet Controllers
- 1 Intel W82574L Gigabit Ethernet Controllers

AUDIO

- Realtek ALC886 5.1-channel High Definition Audio
- Two 3W speakers (left and right sides)

COM

- 1 RS232/422/485 COM port
- 1 RS232 COM port

USB

- 2 Type A USB 2.0/1.1 ports at the front panel
- 4 Type A USB 2.0/1.1 ports at the bottom

I/O

- Front
 - 2 Type A USB 2.0/1.1 ports
 - 5 function keys
 - 3 LED indicators: Power, HDD, Alarm
 - 1 built-in antenna
- Bottom
 - 1 DB-9 RS232/422/485 COM
 - 1 DB-9 RS232 COM
 - 1 PS/2 keyboard
 - 1 PS/2 mouse
 - 4 Type A USB 2.0/1.1
 - 3 audio jacks: Mic-in, Line-in, Line-out
 - 2 RJ45 LAN with LEDs
 - 1 DVI-I
 - 1 HDMI
 - 1 power switch
 - 1 +19V DC-in jack or 16-30V 3-pole terminal block

EXPANSION

- 1 PCIe x1 and 1 PCI (X100-3PE2)
- 2 PCI (X100-2P1M)
- 2 Mini PCIe

3rd/ 2nd Generation Intel® Core™ processors

POWER

- Power input voltage
 - Standard: +19V DC-in jack
 - Option: +16~30V 3-pole terminal block

COOLING SYSTEM

- Smart fan system control suitable for quiet environments

ENVIRONMENT

- Temperature
 - Operating: -10°C ~ 50°C
 - Storage: -20°C ~ 60°C
- Relative Humidity
 - 90% RH at 50°C, 1 week
- Corrosion
 - 4 periods of 7 days at 50°C with 90-95% relative humidity after 2 hours salt spray or waiver

VIBRATION

- Operating: 1G, 5~500Hz
- Non-operating: 1.5G, 5~25Hz
- IEC 68-2-64 compliant

SHOCK

- Operating: 3G peak acceleration (11 msec. duration)
- Non-operating: 10G peak acceleration (11 msec. duration)
- IEC 68-2-27 compliant

FRONT PANEL PROTECTION

- IP65 (Dust Tight; Water Proof protection)

CONSTRUCTION

- Aluminum front bezel
- Rear panel: sheet metal

MOUNTING

- VESA mount: 75x75 and 100x100
- Wall mount bracket (option)
- Panel mount: mounting clamp (option)

DIMENSIONS

- 345mm x 265mm x 103mm (W x H x D)

WEIGHT

- 6.5 kg

OS SUPPORT

- Windows XP Pro (WES2009)
- Windows Vista
- Windows 7 (WS7P)
- Windows 8 and Windows 8 Embedded
- Linux Ubuntu 13

CERTIFICATION

- CE
- FCC Class A
- RoHS

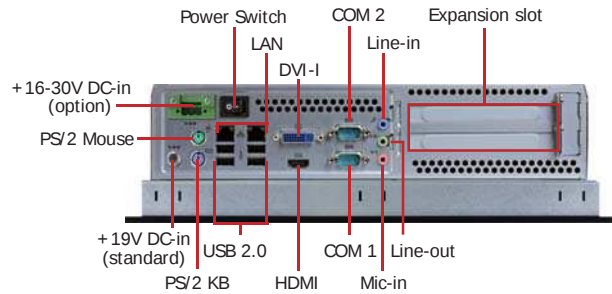
TPC121 12.1" Touch Panel PC

Panel

Optional
Optical Drive



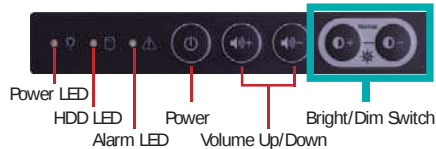
Front View



Bottom View



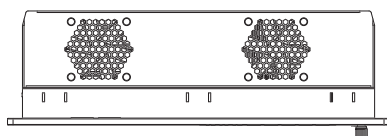
Function keys (standard)



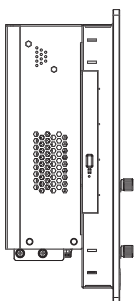
Bright/ Dim Switch for Sunlight Readable Display (optional)

Press the buttons simultaneously to switch the screen between bright and dim.

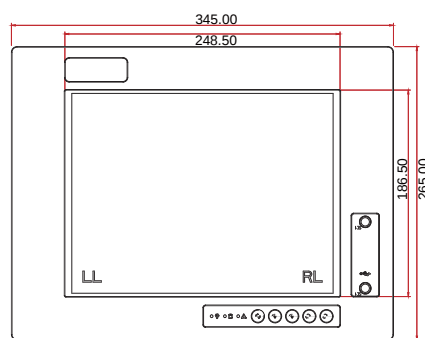
Dimensions



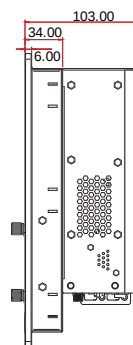
Top View



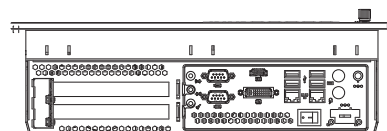
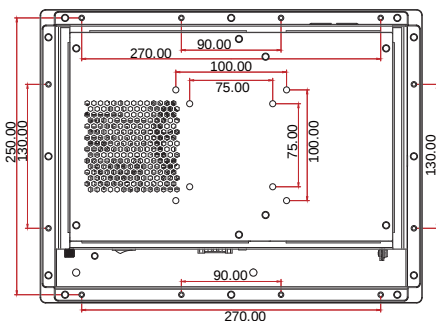
Left View



Front View



Right View

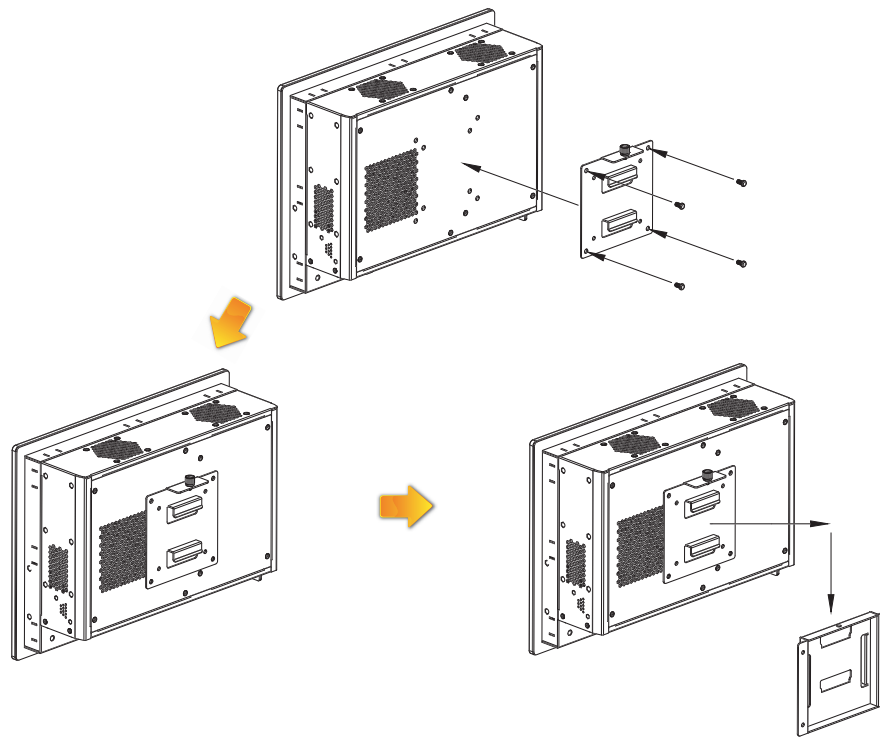


Bottom View

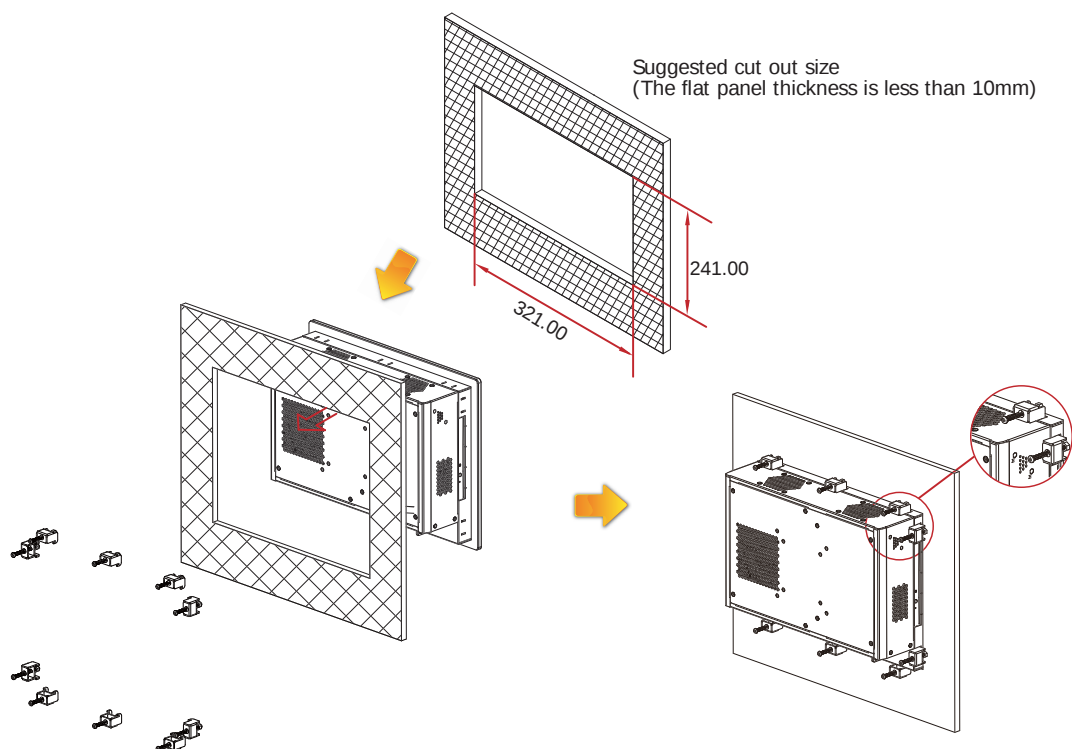
TPC121 12.1" Touch Panel PC

Mounting

Wall Mounting



Panel Mounting



TPC121 12.1" Touch Panel PC

Packing List

- 1 TPC121 Touch Panel PC
- 1 120W power adapter (only for model TPC-1212TR-SBDCR-R10)
- 1 Quick Installation Guide
- 1 CD disk includes:
 - Drivers / Manual

Ordering Information

Model Name	Part Number	Description
TPC-1212TR-SBDCR-R10	750-TPC121-000G	12.1" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, DC input, 1 PCIe x1, 1 PCI, 2 Mini PCIe
TPC-1212TR-SBDCMR-R10	750-TPC121-010G	12.1" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, terminal block DC input, 1 PCIe x1, 1 PCI, 2 Mini PCIe
TPC-1212TR-SBDCR-R11	750-TPC121-600G	12.1" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, DC input, 2 PCI, 2 Mini PCIe
TPC-1212TR-SBDCMR-R11	750-TPC121-610G	12.1" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, terminal block DC input, 2 PCI, 2 Mini PCIe

Optional Items

Optional Items	Part Number	Description
CPU	785-CP1155DL	CPU, LGA 1155, Long-term support, RoHS
Memory	785-RSOD31G	SODIMM, DDR3, 1GB, RoHS
	785-RSOD32G	SODIMM, DDR3, 2GB, RoHS
	785-RSOD34G	SODIMM, DDR3, 4GB, RoHS
HDD	785-H25250G	2.5" SATA HDD, 250GB, RoHS
	785-H25500G	2.5" SATA HDD, 500GB, RoHS
Power Cord	785-PWRD	Power cord, Standards (USA/EUR/CH), 1.8m, RoHS
Wall Mount	785-PPCWMK	Standard Panel PC Wall Mount kit
Panel Mount	785-121PMK	12.1 Panel PC Panel Mount kit
DVD-ROM	785-STDDRWD	Slim Type SATA DVD-RW/DVD ROM
CD-RW ROM	785-STCDRW	Slim Type SATA CD-RW/DVD ROM