TPC150

3rd/2nd Gen Intel® Core™ 15” Heavy Industrial Touch Panel PC

Features
• 15” 1024x768 TFT LCD Panel with Touch Screen
• 2x 2.5” SATA drive bays
• 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

Panel

Front View

- Built-in antenna
- Power LED
- Alarm LED
- HDD LED
- Function Keys
- USB

Function keys (standard)
- Bright/Dim Switch (optional)
- Press the buttons simultaneously to switch the screen between bright and dim.

Bottom View

- Power Switch
- COM 2
- Line-in
- USB 2.0
- COM 1
- HDMI
- Mic-in
- Expansion slots
- PS/2 KB
- Power Switch
- COM 2
- Line-in
- USB 2.0
- COM 1
- HDMI
- Mic-in
- Expansion slots
- PS/2 KB

Optional Optical Drive
## 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
- 15” 1024x768 TFT LCD panel with touch screen
- Supports 5-wire Resistive Touch
- 50,000 MTBF LED backlight
- Brightness (cd/m²): 250

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

### STORAGE
- 2.25” SATA drive bays
  - SATA 2.0 port with data transfer rate up to 3Gb/s
- 1 optical drive bay*

### ETHERNET
- 1 Intel® W82579LM Gigabit Ethernet controller
- 1 Intel® W82574L Gigabit Ethernet controller

### 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: power, volume, and brightness
  - 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

### EXPANSION
- 1 PCIe x1 and 1 PCI (X100-3PE2)
- 2 PCI (X100-2P1M)
- 2 Mini PCIe
  - Supports PCIe and USB signals for Wi-Fi module
  - Supports half/full size Mini PCIe card

### POWER
- Power input voltage
  - Standard: ATX power type, AC 100-240V, 3.5A, 250W
  - Option: 24V DC-in 3-pole terminal block
  - Available upon request: 12V and 30V DC-in 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*
- Panel mount: mounting clamp*

### DIMENSIONS
- 410mm x 320mm x 106mm (W x H x D)

### WEIGHT
- 7.8 kg

### OS SUPPORT
- Windows XP, WES 2009, POSReady 2009, Windows 7, WES 7
- Linux (Distribution available upon request)

### CERTIFICATION
- CE
- FCC Class A
- RoHS
- UL

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* Optional and is not supported in standard model. Please contact your sales representative for more information.
TPC150

Dimensions

Wall Mounting

Panel Mounting

Suggested cut out size
(The flat panel thickness is less than 10mm)
TPC150 Touch Panel PC

**Model Name** | **Part Number** | **Description** |
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TPC1502TR-SBACR-R10 | 750-TPC150-000G | 15" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, AC input, 1 PCIe x1, 1 PCI, 2 Mini PCie |
TPC1502TR-SBACR-R11 | 750-TPC150-600G | 15" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, AC input, 2 PCI, 2 Mini PCie |
TPC1502TR-SBDCMR-R10 | 750-TPC150-700G | 15" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, 16~30V DC-in terminal block, 1 PCIe x1, 1 PCI, 2 Mini PCie |
TPC1502TR-SBDCMR-R11 | 750-TPC150-800G | 15" Panel PC, H61 chipset, Aluminum Front Bezel, Resistive Touch, 16~30V DC-in terminal block, 2 PCI, 2 Mini PCie |

**Optional Items**

**Optional Items** | **Part Number** | **Description** |
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CPU | 785-CP1155DL | CPU, LGA 1155, Long-term support, RoHS |
Memory | 785-RSOD38G-L | SODIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 8GB, RoHS |
Memory | 785-RSOD34G-L | SODIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 4GB, RoHS |
Memory | 785-RSOD32G-L | SODIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 2GB, RoHS |
Memory | 785-RSOD31G | SODIMM, DDR3 Module, 1GB, RoHS |
HDD | 785-H25500G | 2.5” SATA HDD, 500GB, RoHS |
HDD | 785-H25320G | 2.5” SATA HDD, 320GB, RoHS |
Wi-Fi | 761-110091-000G | Wi-Fi kit, 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 | 785-150PMK | 15" Panel PC Panel Mount kit |
DVD-ROM | 785-STDVRW | Slim Type SATA DVD-RW/DVD ROM |
CD-RW ROM | 785-STCDRW | Slim Type SATA CD-RW/DVD ROM |

**Packing List**

- 1 TPC150 Touch Panel PC
- 1 120W power adapter (only for model TPC-1502TR-SBDCMR-R10 and TPC-1502TR-SBDCMR-R11)
- 1 Quick Installation Guide
- 1 CD disk includes:
  - Drivers / Manual