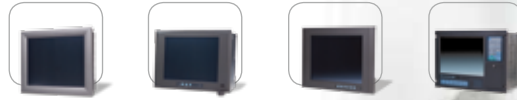


# Open HMI Solutions

Interfaces for Seamless Integration  
between Humans and Machines



Touch Panel Computers



# Touch Panel Computer Overview



## Fanless System Architecture

Fanless System: A durable system without rotating parts to increase reliability and ease of maintenance. Uses a Low-voltage CPU and heat sink to achieve its fanless design.



## Industrial-proven Design

The TPC is ideal for any industrial application, designed to meet demanding industrial requirements; the front panel is NEMA4/ IP65 compliant, the input power design is 18 ~ 32V<sub>DC</sub>, and the fuse for power protection is easily replaceable.

**Aluminum-Magnesium Alloy (Al-Mg) Front Bezel:**  
The lightweight aluminum-magnesium alloy front bezel provides high-strength, high-corrosion resistance (especially against seawater), and excellent heat dissipation, allowing the TPC to withstand harsh environmental conditions.



NEMA4/ IP65 Compliant



0~50° C Operating Temperature



Al-Mg Front Panel



Grounding Protection



### Slim Design:

A slim and compact design makes installation flexible and easy, and is especially suitable for constrained spaces. We provide panel, desktop, and wall mount options for diverse installations.



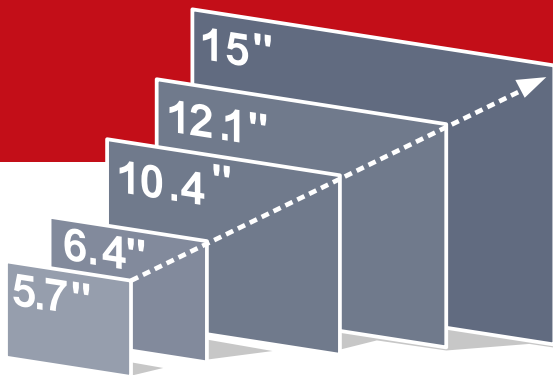
Desktop



Wallmount



Panel Mount



### Complete Product Line

A wide range of product lines is available for the TPC series, with a LCD size range from 5.7" to 15".

### Embedded Operating System Support

In addition to Windows 2000/XP, Windows XP Embedded and Windows CE are also included for embedded OS support.

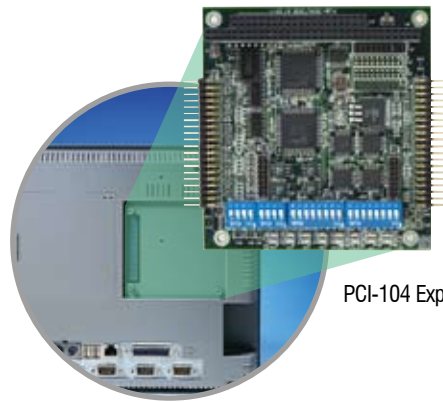


# TPC Series X86 System

- ▶ The X86 TPC series provides a powerful and durable solution with high computing power and ultra low voltage processors.
- ▶ Variety of OS support, including; Windows 2000/XP, WinXPe and WinCE
- ▶ A PC/104 or PCI-104 expansion slot gives a high degree of versatility
- ▶ A CompactFlash slot is included for extra storage
- ▶ Rich standard I/O support: providing multiple standard communications to couple with different peripherals
- ▶ Downward I/O cabling: Friendly interface for plugging in cables
- ▶ 8-wire resistive touchscreen



Downward I/O Cabling



PCI-104 Expansion



8-wire Resistive Touchscreen



### X86

TPC-1570H	TPC-1270H	TPC-1261H	TPC-1070H	TPC-660G/662G
Intel Pentium M 1.4GHz	Intel Pentium M 1.4GHz	AMD LX800 500MHz	Intel Pentium M 1.4GHz	AMD LX800 500 MHz
512MB DDR SDRAM (up to 1GB)	512MB DDR2 SDRAM	256MB DDR SDRAM (up to 1GB)	512MB DDR SDRAM	256MB DDR SDRAM (up to 1GB)
XGA TFT LCD	XGA TFT LCD	SVGA TFT LCD	XGA TFT LCD	TFT color LCD
15"	12.1"	12.1"	10.4"	6.4"
1024 x 768	800x600	800 x 600	800 x 600	640 x 480
262K	262K	262K	260K	262K
350	350	340	400	150
120/100	140/120	100/60	140/100	90/50
50,000	50,000	50,000	50,000	20,000
Resistive	Resistive	Resistive	Resistive	Resistive
N/A	N/A	N/A	N/A	N/A
1 internal 2.5" (option)	1 internal 2.5" SATA (option)	1 internal 2.5" (option)	1 internal 2.5" SATA (option)	1 external 2.5" (option)
External from USB interface	External from USB interface	External from USB interface	External from USB interface	N/A
External from CF slot	External from CF slot	External from CF slot	External from CF slot	N/A
2 x 10 x 100 Base-T	1 x 10/100/1000 Base-T 1 x 10/100 Base-T	1 x 10/100Base-T	1 x 10/100/1000 Base-T 1 x 10/100 Base-T	1 x 10/100Base-T
3 (2 x RS-232, 1 x RS-232/485/422)	4 (3 x RS-232, 1 x RS-232/485/422)	4 (3 x RS-232, 1 x RS-232/485/422)	3 (2 x RS-232, 1 x RS-232/485/422)	2 (1 x RS-232, 1 x RS-232/485/422) for TPC-660G; 1 x RS-232, 1 x CAN-Bus for TPC-662G
1	N/A	1	N/A	N/A
1	1	N/A	N/A	N/A
4 (2.0)	4 (2.0)	2 (2.0)	2 (2.0)	2 (2.0)
3 (1 x MIC-in, 1 x Line-in, 1 x Line-out)	2 (1 x MIC-in, 1 x Line-out)	N/A	N/A	2 (1 x MIC-in, 1 x Line-out)
1	N/A	1	1	1
Type II x 1	Type II x 1	Type II x 1	Type II x 1	Type II x 1
Type II x 1	N/A	N/A	N/A	N/A
N/A	PCI-104x1	PCI-104x1	PCI-104x1	PCI-104x1
18~32V <sub>DC</sub>	18~32V <sub>DC</sub>	18~32V <sub>DC</sub>	18~32V <sub>DC</sub>	18~32V <sub>DC</sub>
60W	60W	60W	60W	43W
383 x 307 x 65 mm (15.08" x 12.09" x 2.56")	311 x 237 x 65 mm (12.24" x 9.33" x 2.56")	311 x 237 x 50 mm (12.24" x 9.33" x 1.97")	286 x 266 x 58 mm (11.26" x 8.9" x 2.28")	195 x 148 x 44.4 mm (7.68" x 5.83" x 1.75")
5.5kg (12.13lbs)	3.5kg (7.72lb)	2.2kg (4.85lbs)	3.5kg (7.72lb)	0.8kg (1.76lbs)
Al-Mg	Al-Mg	Al-Mg	Die-Cast Aluminum Alloy	ABS
0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)	0 ~ 50°C (32 ~ 122°F)
NEMA4 / IP65	NEMA4 / IP65	NEMA4 / IP65	NEMA4 / IP65	NEMA4 / IP65
BSMI, CE, FCC, UL, CCC	BSMI, CE, FCC, UL, CCC	BSMI, CE, FCC, UL, CCC	BSMI, CE, FCC, UL, CCC	BSMI, CE, FCC, UL, CCC
Windows 2000/XP/CE/XPe	Windows XP/XPe	Windows XP/CE/XPe	Windows XP/2000/CE/XPe	Windows XP/CE/XPe

### Ordering Information

**TPC-1570H-SMKE** TPC-1570H Desktop Stand Kit

**TPC-1570H-WMKE** TPC-1570 Wall Mount Kit

**TPC-1261H-SMKE** TPC-1261H/TPC-120H Desktop Stand Kit

**TPC-1261H-WMKE** TPC-1261H/TPC-120H Wall Mount Kit

**TPC-660G-EHKE** TPC-660G Extension HDD Kit

**TPC-660G-EPKE** TPC-660G Extension PC-104 Kit

### Accessories

**TPC-1570H-SMKE**  
TPC-1570H desktop



**TPC-1261H-WMKE**  
TPC-1261H/TPC-120H  
Wallmount



**TPC-1261H-SMKE**  
TPC-1261H/TPC-120H  
Stand Kit



**TPC-1260H WALLMT**  
TPC-1260H Wallmount Kit

