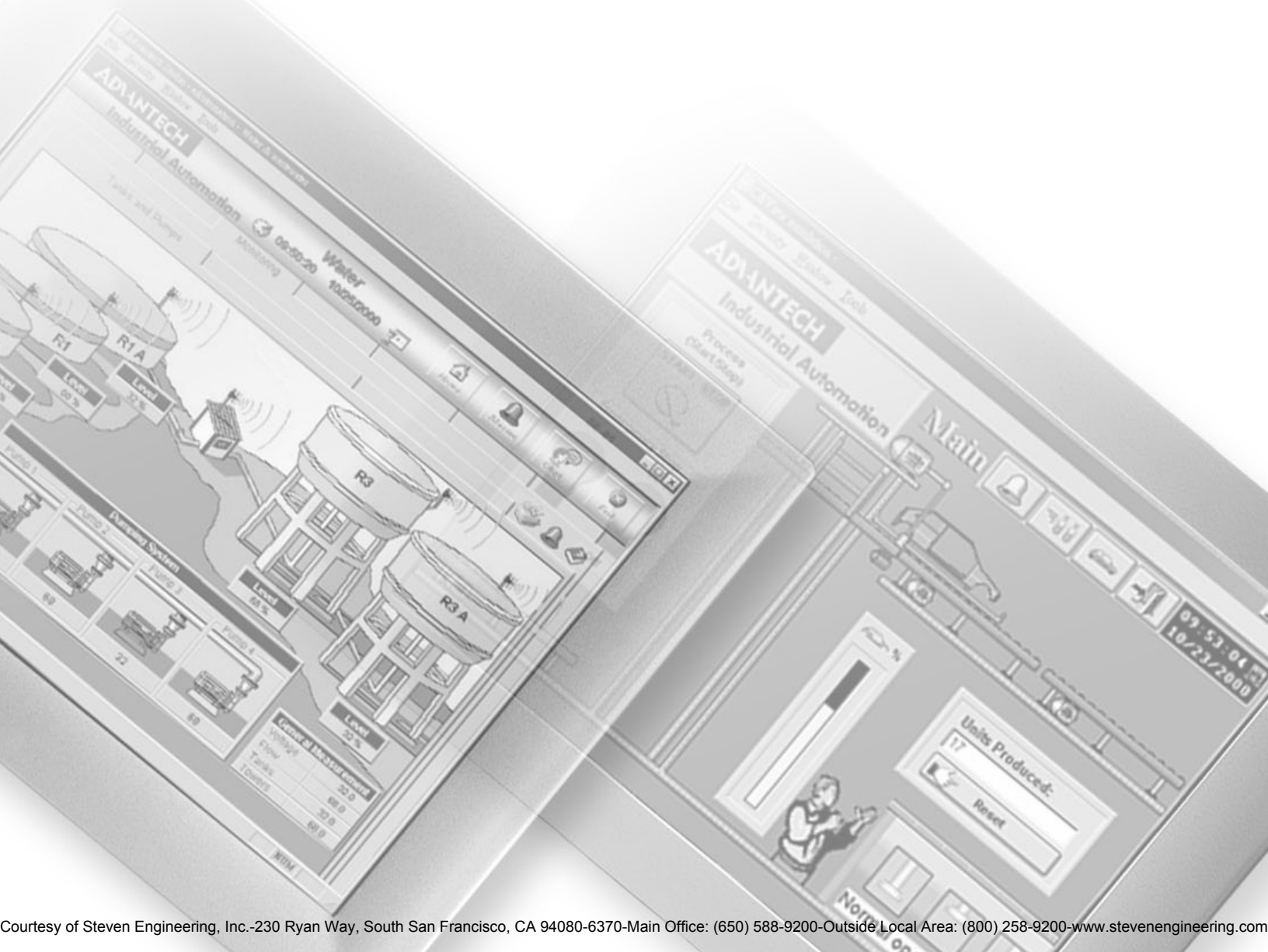


Touch Panel Computers

Selection Guide	Touch Panel Computer Selection Guide	6-2
TPC-1570H	Intel Celeron M Touch Panel Computer with 15" XGA TFT LCD	6-4
TPC-1270H (new)	Intel Pentium M Touch Panel Computer with 12.1" SVGA TFT LCD	6-6
TPC-1261H	AMD LX800 Touch Panel Computer with 12.1" SVGA TFT LCD	6-8
TPC-1070H (new)	Intel Pentium M Touch Panel Computer with 10.4" SVGA TFT LCD	6-10
TPC-660G (new)	AMD LX800 Touch Panel Computer with 6.4" VGA TFT LCD Display	6-12
TPC-120H (new)	Intel XScale PXA Touch Panel Computer with 12.1" SVGA TFT LCD Display	6-14
TPC-66S	Intel XScale Touch Panel Computer with 5.7" QVGA STN LCD Display	6-16
TPC-66T (new)	Intel XScale Touch Panel Computer with 5.6" QVGA TFT LCD Display	
TPC-68T (new)	Intel XScale Touch Panel Computer with 5.6" QVGA TFT LCD Display and CAN-bus Support	6-18
TPC Accessories		6-20



TPC Selection Guide

Specifications		Model	TPC-1570H	TPC-1270H	TPC-1261H
CPU			Intel Celeron M 1 GHz Intel Celeron M 600 MHz	Intel Pentium M 1.4 GHz Intel Celeron M 1 GHz	AMD LX800 500 MHz
Memory			512 MB DDR SDRAM (up to 1 GB DDR SDRAM)	512 MB DDR2 SDRAM (up to 1 GB DDR2 SDRAM)	256 MB DDR SDRAM (up to 1 GB DDR SDRAM)
Display	Type		TFT color LCD	TFT color LCD	TFT color LCD
	Size		15"	12.1"	12.1"
	Max. Resolution		1024 x 768	800 x 600	800 x 600
	Max. Colors		262 K	262 K	262 K
	Luminance (cd/m ²)		350	350	340
	Viewing Angle (H°/V°)		120/100	140/120	100/60
	Backlight Life (hrs)		50,000	50,000	50,000
Touchscreen			Resistive	Resistive	Resistive
Flash Memory			N/A	N/A	N/A
HDD			1 x Internal 2.5" (optional)	1 x Internal 2.5" SATA (optional)	1 x Internal 2.5" (optional)
FDD			External from USB interface	External from USB interface	External from USB interface
CD-ROM			External from CF slot	External from CF slot	External from CF slot
Network (LAN)			1 x 10/100Base-T, 1 x 10/100/1000Base-T (TPC-1570H-A1E) 2 x 10/100Base-T (TPC-1570H-B1E)	1 x 10/100Base-T, 1 x 10/100/1000Base-T (TPC-1270H-P1E) 2 x 10/100Base-T (TPC-1270H-C1E)	1 x 10/100Base-T
I/O Ports			Serial Port x 3 (2 x RS-232 and 1 x RS-232/485/422) Parallel Port x 1 VGA x 1 USB x 2 Audio x 3 (1 x MIC-in, 1 x Line-in, 1 x Line-out) PS/2 x 1	Serial Port x 4 (3 x RS-232 and 1 x RS-232/485/422) VGA x 1 USB x 4 Audio x 2 (1 x MIC-in, 1 x Line-out)	Serial Port x 4 (3 x RS-232 and 1 x RS-232/485/422) Parallel Port x 1 USB x 2 PS/2 x 1
CompactFlash Slots			Type II x 1	Type II x 1	Type II x 1
PCMCIA Slots			Type II x 1	N/A	N/A
Expansion Slots			N/A	PCI-104 x 1	PCI-104 x 1
Power	Input Voltage		18 ~ 32 Vdc	18 ~ 32 Vdc	18 ~ 32 Vdc
	Power Consumption		60 W	60 W	60 W
Dimensions		W x D x H (mm)	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 (12.24" x 9.33" x 1.97")
Weight (Net)			5.5 kg (12.13 lb)	3.5 kg (7.72 lb)	2.2 kg (4.85 lb)
Front Cover			Al-Mg	Al-Mg	Al-Mg
Operating Temperature			0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)	0 ~ 50° C (32 ~ 122° F)
Ingress Protection (Front Panel)			NEMA4/IP65	NEMA4/IP65	NEMA4/IP65
Certifications			BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL
Operating System			Windows 2000, Windows XP Windows CE, XP Embedded	Windows 2000, Windows XP Windows XP Embedded	Windows XP Windows CE, XP Embedded
Page			6-4	6-6	6-8

Selection Guide

TPC-1070H	TPC-660G	TPC-120H	TPC-66S	TPC-66T/TPC-68T
Intel Pentium M 1.4 GHz Intel Celeron M 1 GHz	AMD LX800 500 MHz	Intel PXA270 520 MHz	Intel PXA270 416 MHz	
512 MB DDR SDRAM	256 MB DDR SDRAM (up to 1 GB DDR SDRAM)	64 MB SDRAM on board	64 MB SDRAM on board	
TFT color LCD	TFT color LCD	TFT color LCD	STN color LCD	TFT color LCD
10.4"	6.4"	12.1"	5.7"	5.6"
800 x 600	640 x 480	800 x 600	320 x 240	320 x 234
260 K	262 K	262 K	64 K	64 K
400	150	340	400	500
140/100	90/50	100/60	100/55	100/60
50,000	20,000	50,000	60,000	30,000
Resistive	Resistive	Resistive	Resistive	
N/A	N/A	64 MB on board	64 MB on board	
1 x Internal 2.5" (optional)	1 External 2.5" (optional)	N/A	N/A	
External from USB interface	N/A	N/A	N/A	
External from CF slot	N/A	N/A	N/A	
1 x 10/100Base-T, 1 x 10/100/1000Base-T (TPC-1070H-P1E) 2 x 10/100Base-T (TPC-1070H-C1E)	10/100Base-T	2 x 10/100Base-T	10/100Base-T	
Serial Port x 3 (2 x RS-232 and 1 x RS-232/485/422) USB x 2 PS/2 x 1	Serial Port x 2 (1 x RS-232 and 1 x RS-232/485/422) USB x 2	Serial Ports x 3 (2 x Full RS-232; 1 x 4-pin RS-232/RS485) VGA x 1 USB x 2 CAN Bus x 1 (optional)	Serial Port x 3 USB x 2 (Host x 1, Client x 1)	TPC-66T Serial Port x 3, USB x 2 (Host x 1, Client x 1) TPC-68T Serial Port x 2, CAN Bus x 1, USB x 2 (Host x 1, Client 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	PC-104 x 1	N/A	N/A	
18 ~ 32 Vdc	18 ~ 32 Vdc	18 ~ 32 Vdc	18 ~ 32 Vdc	
60 W	30 W	30 W	20 W	
286 x 266 x 58 mm (11.26" x 8.9" x 2.28")	195 x 148 x 44.4 (7.68" x 5.83" x 1.75")	311 x 237 x 50 (12.24" x 9.33" x 1.97")	195 x 148 x 44.4 (7.68" x 5.83" x 1.75")	
3.5 kg (7.72 lb)	0.8 kg (1.76 lbs)	2.2 kg (4.85 lbs)	0.8 kg (1.76 lbs)	
Die-Cast Aluminum Alloy	ABS	Al-Mg	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)	
NEMA4/IP65	NEMA4/IP65	NEMA4/IP65	NEMA4 / IP65	
BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL	BSMI, CCC, CE, FCC, UL	
Windows 2000, Windows XP Windows CE, XP Embedded	Windows XP, Windows CE, XP Embedded	Windows CE	Windows CE	
6-10	6-12	6-14	6-16, 6-18	

1
PAC & Software

2
BAS

3
UNO

4
RS-485 I/O

5
Ethernet I/O

6
TPC

7
IPPC

8
FPM

9
AWS

10
Plug-in I/O

11
CompactPCI

12
Signal Conditioning

13
USB I/O

14
Motion Control I/O

15
Ethernet Switch

16
EDG

17
ICOM

TPC-1570H

Intel® Celeron® M Touch Panel Computer with 15" XGA TFT LCD



Features

- Intel® Celeron® M Processor up to 1 GHz on board
- 15" XGA TFT LCD
- Compact design with Al-Mg housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows® XP/2000/CE and WinXPe
- Automatic data flow control RS-485
- Giga Ethernet and fast Ethernet supported

Introduction

With a high quality TFT LCD display, TPC-1570H is designed with the Intel Celeron M 600 MHz/1 GHz with 512 K cache processor as its core. The Intel Celeron M has low power consumption and 600 MHz/1 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1570H a durable and reliable platform. For applications where spindle-free storage is not critical, a fast-access HDD module can be used. The rich I/O portfolio meets diverse requests.

Specifications

General

- **BIOS** Award® 4 MB
- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 383 x 307 x 65 mm (15.08" x 12.09" x 2.56")
- **Enclosure** Front bezel: Al-Mg
Back housing: ABS + PC
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Microsoft Windows XP/2000/CE and WinXPe
- **Power Consumption** 60 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1 sec (system)
- **Weight (Net)** 5.5 kg (12.13 lb)

System Hardware

- **Audio Ports** 1 x MIC-in, 1 x Line-in, 1 x Line-out
- **CPU** Intel Celeron M 600 MHz/1 GHz with 512 K cache
- **Expansion Slots** 1 x CompactFlash® slot
1 x PCMCIA
- **Graphics Controller** Intel 855 GME (Celeron M 1 GHz)/Intel 852 GM (Celeron M 600 MHz)
- **Keyboard/Mouse Ports** 1 x PS/2
- **LAN** 1 x 10/100Base-T, 1 x 10/100/1000Base-T (TPC-1570H-A1E)
2 x 10/100Base-T (TPC-1570H-B1E)
- **Memory** 512 MB DDR SDRAM (up to 1 GB)
- **Parallel Ports** 1 x Parallel port
- **Serial Ports** 2 x RS-232 and 1 x RS-232/485/422
- **Storage** 1 x CompactFlash card, or 1 x 2.5" HDD (optional)
- **USB Ports** 2 x USB 2.0
- **Video Ports** 1 x VGA

LCD Display

- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 500:1
- **Display Size** 15"
- **Display Type** XGA TFT LCD
- **Luminance cd/m²** 350
- **Max. Colors** 262 K
- **Max. Resolution** 1024 x 768
- **Viewing Angle (H/V)** 120/100

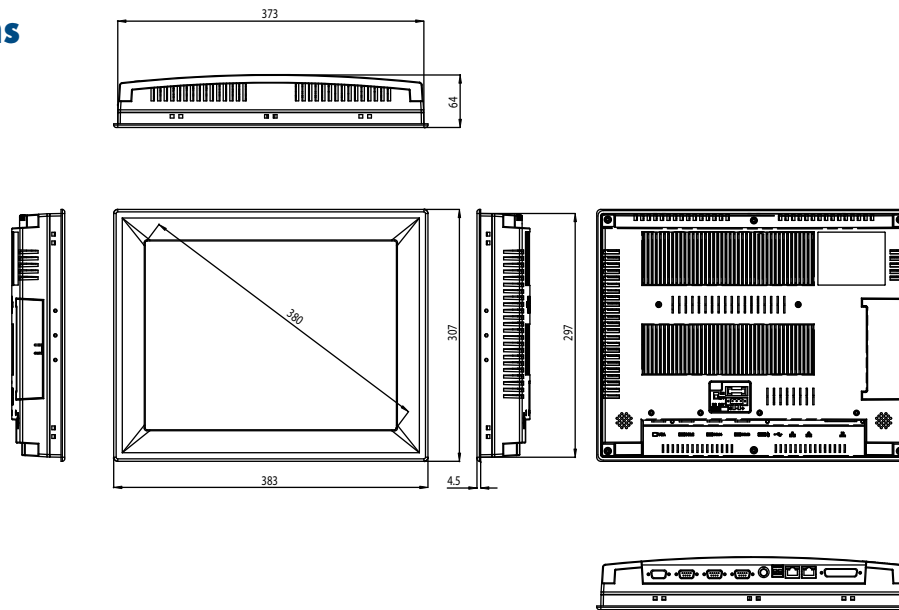
Touchscreen

- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Pixel Pitch (H x V)** 0.3075 x 0.3075 mm
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Vibration Protection** With CompactFlash: 2 grms (5 ~ 500 Hz)
With HDD: 1 grms (5 ~ 500 Hz)
(Operating, random vibration)

Dimensions



Panel Cut-out Dimensions: 375 x 299 mm

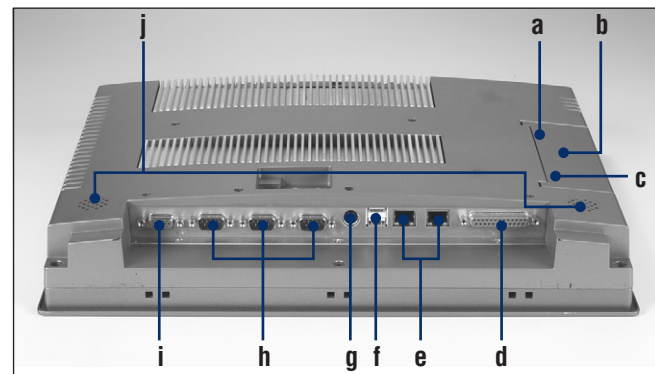
Unit: mm

Ordering Information

- **TPC-1570H-A1E** 15" TFT LCD Display TPC with Intel Celeron M 1 GHz CPU, 512 K cache, 512 MB DDR SDRAM
- **TPC-1570H-B1E** 15" TFT LCD Display TPC with Intel Celeron M 600 MHz CPU, 512 MB DDR SDRAM
- **TPC-1570H-C1E** 15" TFT LCD Display TPC with Intel Celeron M 1 GHz CPU, 512 MB DDR SDRAM
- **TPC-1570H-P1E** 15" TFT LCD Display TPC with Intel Pentium M 1.4 GHz CPU, 512 MB DDR SDRAM
- **TPC-1570 STAND** TPC-1570H desktop stand
- **TPC-1570 WALLMT** TPC-1570H wallmount kit

Rear View

TPC-1570H



- | | |
|--------------------------|----------------|
| a. CompactFlash Slot x 1 | f. USB x 2 |
| b. PCMCIA x 1 | g. PS2 x 1 |
| c. Audio x 3 | h. COM x 3 |
| d. LPT x 1 | i. VGA x 1 |
| e. LAN x 2 | j. Speaker x 2 |

1
PAC & Software

2
BAS

3
UNO

4
RS-485 I/O

5
Ethernet I/O

6
TPC

7
IPPC

8
FPM

9
AWS

10
Plug-in I/O

11
CompactPCI

12
Signal Conditioning

13
USB I/O

14
Motion Control I/O

15
Ethernet Switch

16
EDG

17
ICOM

TPC-1270H

Intel® Pentium® M/Celeron® M Touch Panel Computer with 12.1" SVGA TFT LCD

NEW



Features

- Intel® Pentium® M Processor up to 1.4 GHz on board
- 12.1" SVGA TFT LCD
- Compact design with Al-Mg housing and Al alloy die-casting
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows® XP/2000/CE and WinXPe
- Downward I/O cabling
- Automatic data flow control RS-485
- Giga Ethernet and fast Ethernet supported

Introduction

With a high quality TFT LCD display, TPC-1270H is designed with the Intel Pentium M 1.4 GHz/Celeron M 1 GHz processor as its core. The Intel Pentium M/Celeron M has low power consumption and 1.4 GHz/1 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1270H a durable and reliable platform. For applications where spindle-free storage is not critical, a fast-access HDD module can be used. The rich I/O portfolio meets diverse requests.

Specifications

General

- **BIOS** Award® 4 MB
- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 311 x 237 x 65 mm (12.24" x 9.33" x 2.56")
- **Enclosure** Front bezel: Al-Mg
Back housing: Al alloy die-casting
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Microsoft Windows XP/2000 and WinXPe
- **Power Consumption** 60 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1 sec (system)
- **Weight (Net)** 3.5 kg (7.72 lb)

System Hardware

- **Audio Ports** 1 x MIC-in, 1 x Line-out
- **CPU** Intel Pentium M 1.4 GHz/Celeron M 1 GHz
- **Expansion Slots** 1 x CompactFlash® slot
1 x PCI-104 Slot
- **Graphics Controller** Intel 915 GME
- **LAN** 1 x 10/100Base-T, 1 x 10/100/1000Base-T (TPC-1270H-P1E)
2 x 10/100Base-T (TPC-1270H-C1E)
- **Memory** 512 MB DDR2 SDRAM
- **Serial Ports** 3 x RS-232 and 1 x RS-232/485/422
- **Storage** 1 x CompactFlash card (optional), or
1 x 2.5" SATA HDD (optional)
- **USB Ports** 4 x USB 2.0
- **Video Ports** 1 x VGA

LCD Display

- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 500:1
- **Display Size** 12.1"
- **Display Type** SVGA TFT LCD
- **Luminance cd/m²** 350
- **Max. Colors** 262 K
- **Max. Resolution** 800 x 600
- **Viewing Angle (H/V)** 140/120

Touchscreen

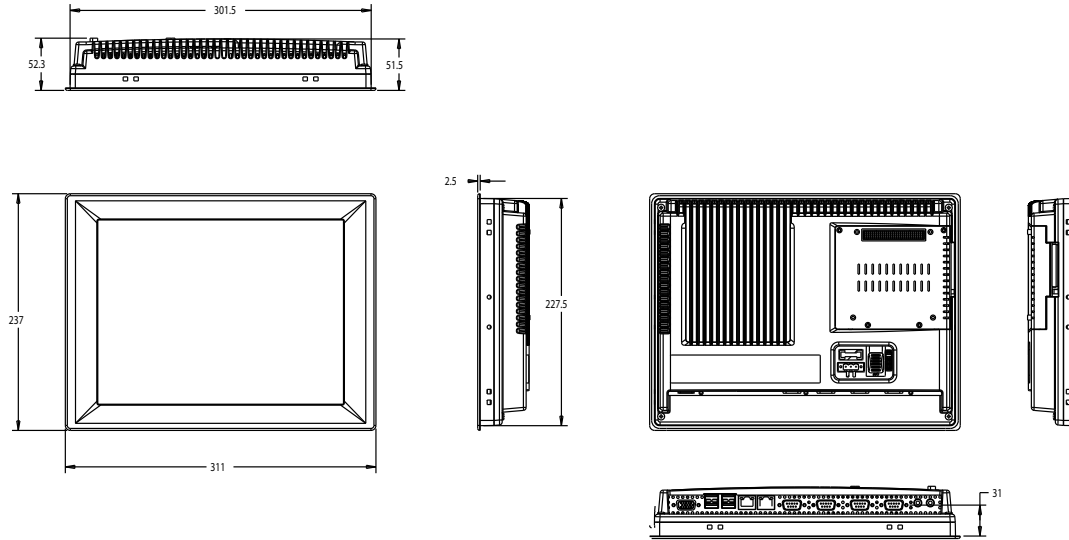
- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Pixel Pitch (H x V)** 0.3075 x 0.3075 mm
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Vibration Protection** With CompactFlash: 2 grms (5 ~ 500 Hz)
With HDD: 1 grms (5 ~ 500 Hz)
(Operating, random vibration)

Dimensions

Unit: mm



Panel Cut-out Dimensions: 312.5 x 228.5 mm

Ordering Information

- **TPC-1270H-P1E** 12.1" TFT LCD Display TPC with Intel Pentium M 1.4 GHz CPU, 512 MB DDR SDRAM
- **TPC-1270H-C1E** 12.1" TFT LCD Display TPC with Intel Celeron M 1 GHz CPU, 512 MB DDR SDRAM

Accessories

- **TPC-1260 STAND** TPC-1261H desktop stand
- **TPC-1260 WALLMT** TPC-1261H wallmount kit

- 1 PAC & Software
- 2 BAS
- 3 UNO
- 4 RS-485 I/O
- 5 Ethernet I/O
- 6 TPC
- 7 IPPC
- 8 FPM
- 9 AWS
- 10 Plug-in I/O
- 11 CompactPCI
- 12 Signal Conditioning
- 13 USB I/O
- 14 Motion Control I/O
- 15 Ethernet Switch
- 16 EDG
- 17 ICOM

TPC-1261H

AMD LX800 Touch Panel Computer with 12.1" SVGA TFT LCD



Features

- AMD LX800 processor on board
- 12.1" SVGA TFT LCD
- Super slim and compact design with Al-Mg housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows® XP/CE and WinXPe
- Automatic data flow control RS-485

Introduction

With a high quality TFT LCD display, TPC-1261H is designed with the AMD LX800 processor as its core. The LX800 has low power consumption 500 MHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1261H a durable and reliable platform.

For applications where spindle-free storage is not critical, a fast-access HDD module can be used. It also provides a PCI-104 expansion slot for TPC-1270H-C1E.

Specifications

General

- **BIOS** Award® 4 MB
- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 311 x 237 x 50 mm (12.24" x 9.33" x 1.97")
- **Enclosure** Al-Mg and ABS
- **Mounting** Desktop, swing arm or wall (with mounting kit)
- **OS Support** Microsoft Windows XP/CE and WinXPe
- **Power Consumption** 60 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1 sec (system)
- **Weight (Net)** 2.2 kg (4.85 lb)

System Hardware

- **CPU** AMD LX800 500 MHz
- **Expansion Slots** 1 x CompactFlash® slot
1 x PCI-104
- **Graphics Controller** AMD LX800 (Internal)
- **Keyboard/Mouse Ports** 1 x PS/2
- **LAN** 1 x 10/100Base-T
- **Memory** 256 MB DDR SDRAM (up to 1 GB DDR SDRAM)
- **Parallel Ports** 1 x Parallel Port
- **Serial Ports** 3 x RS-232 and 1 x RS-232/485/422
- **Storage** 1 x CompactFlash card, or
1 x 2.5" HDD (optional)
- **USB Ports** 2 x USB 2.0

LCD Display

- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 300:1
- **Display Size** 12.1"
- **Display Type** SVGA TFT LCD
- **Luminance cd/m²** 340
- **Max. Colors** 262 K
- **Max. Resolution** 800 x 600
- **Viewing Angle (H/V)** 100/60

Touchscreen

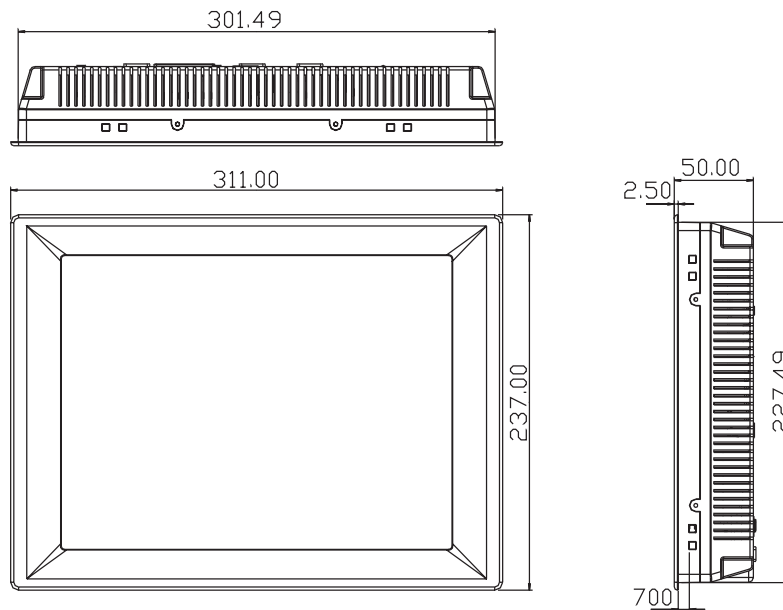
- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Pixel Pitch (H x V)** 0.3075 x 0.3075 mm
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Vibration Protection** With CompactFlash: 2 grms (5 ~ 500 Hz)
With HDD: 1 grms (5 ~ 500 Hz)
(Operating, random vibration)

Dimensions

Unit: mm



Ordering Information

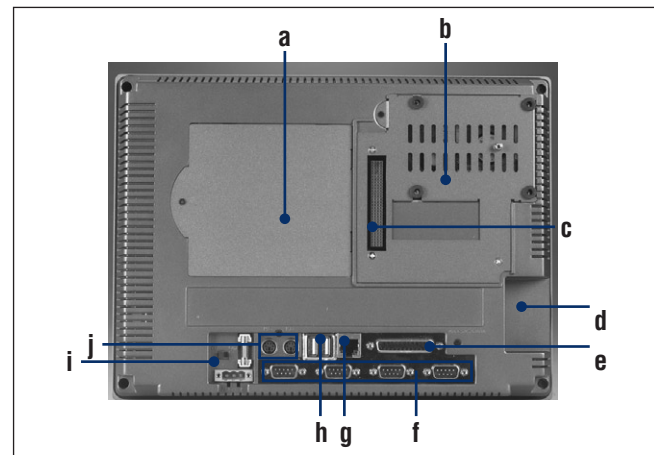
- TPC-1261H-A1E 12.1" TFT LCD Display TPC with AMD LX800 500 MHz CPU and 256 MB DDR SDRAM

Accessories

- TPC-1260 STAND TPC-1261H desktop stand
- TPC-1260 WALLMT TPC-1261H wallmount kit

Rear View

TPC-1261H



- a. CPU Card Cover
- b. 2.5" HDD
- c. PCI-104 Slot
- d. CompactFlash Slot
- e. Parallel Port
- f. Serial Ports
- g. Ethernet Port
- h. USB Ports
- i. Power Switch
- j. PS/2 Ports

1	PAC & Software
2	BAS
3	UNO
4	RS-485 I/O
5	Ethernet I/O
6	TPC
7	IPPC
8	FPM
9	AWS
10	Plug-in I/O
11	CompactPCI
12	Signal Conditioning
13	USB I/O
14	Motion Control I/O
15	Ethernet Switch
16	EDG
17	ICOM

TPC-1070H

Intel® Pentium® M/Celeron® M Touch Panel Computer with 10.4" SVGA TFT LCD

NEW



Features

- Intel® Pentium® M Processor up to 1.4 GHz on board
- 10.4" SVGA TFT LCD
- Compact design with Die-Casting
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows® XP/2000/CE and WinXPe
- Downward I/O cabling
- Automatic data flow control RS-485
- Dual fast Ethernet supported

Introduction

With a high quality TFT LCD display, TPC-1070H is designed with the Intel Pentium M 1.4 GHz/Celeron M 1 GHz processor as its core. The Intel Pentium M/Celeron M has low power consumption and 1.4 GHz/1 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1070H a durable and reliable platform. For applications where spindle-free storage is not critical, a fast-access HDD module can be used. The rich I/O portfolio meets diverse requests.

Specifications

General

- **BIOS** Award® 4 MB
- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 286 x 226 x 58 mm (11.26" x 8.9" x 2.28")
- **Enclosure** Die-Casting Aluminum alloy
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Microsoft Windows XP/2000/CE and WinXPe
- **Power Consumption** 60 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1 sec (system)
- **Weight (Net)** 3.5 kg (7.72 lb)

System Hardware

- **CPU** Intel Pentium M 1.4 GHz/Celeron M 1 GHz
- **Expansion Slots** 1 x CompactFlash slot
- **Graphics Controller** Intel 855 GME
- **Keyboard/Mouse Ports** 1 x PS/2
- **LAN** 1 x 10/100Base-T, 1 x 10/100/1000Base-T (TPC-1070H-P1E)
2 x 10/100Base-T (TPC-1070H-C1E)
- **Memory** 512 MB DDR SDRAM
- **Serial Ports** 2 x RS-232 and 1 x RS-232/485/422
- **Storage** 1 x CompactFlash card (optional), or
1 x 2.5" HDD (optional)
- **USB Ports** 2 x USB 2.0

LCD Display

- **Backlight Life** 50,000
- **Contrast Ratio** 500:1
- **Display Size** 10.4"
- **Display Type** SVGA TFT LCD
- **Luminance cd/m²** 400
- **Max. Colors** 260 K
- **Max. Resolution** 800 x 600
- **Viewing Angle (H/V)** 140/110

Touchscreen

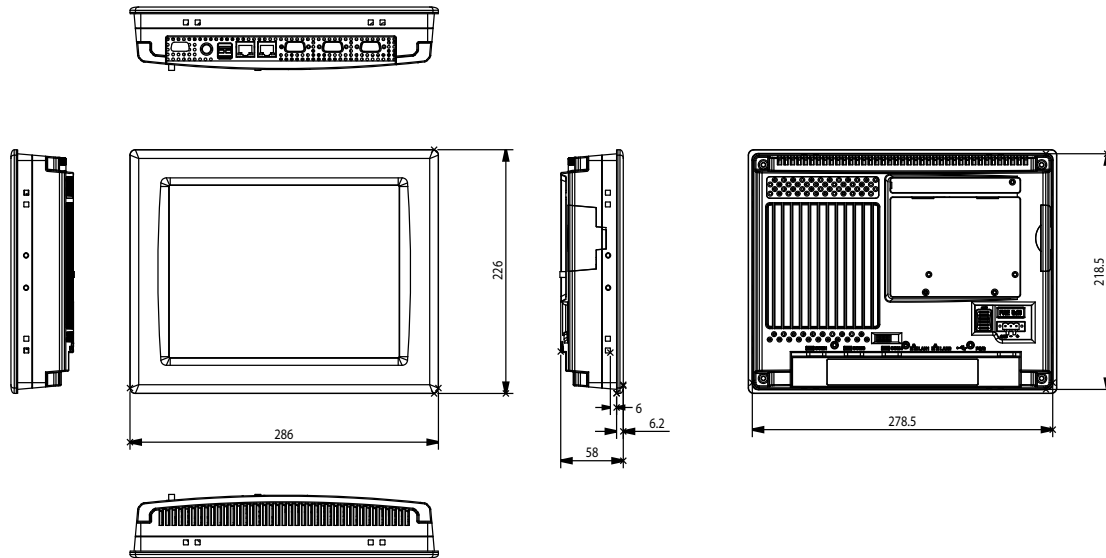
- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Pixel Pitch (H x V)** 0.3075 x 0.3075 mm
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Vibration Protection** With CompactFlash: 2 grms (5 ~ 500 Hz)
With HDD: 1 grms (5 ~ 500 Hz)
(Operating, random vibration)

Dimensions

Unit: mm



Panel Cut-out Dimensions: 279.5 x 219.5 mm

Ordering Information

- **TPC-1070H-P1E** 10.4" TFT LCD Display TPC with Intel Pentium M 1.4 GHz CPU, 512 MB DDR SDRAM
- **TPC-1070H-C1E** 10.4" TFT LCD Display TPC with Intel Celeron M 1 GHz CPU, 512 MB DDR SDRAM

1

PAC & Software

2

BAS

3

UNO

4

RS-485 I/O

5

Ethernet I/O

6

TPC

7

IPPC

8

FPM

9

AWS

10

Plug-in I/O

11

CompactPCI

12

Signal Conditioning

13

USB I/O

14

Motion Control I/O

15

Ethernet Switch

16

EDG

17

ICOM

TPC-660G

AMD LX800 Touch Panel Computer with 6.4" VGA TFT LCD Display

NEW



Features

- AMD LX800 processor on board
- 6.4" TFT LCD
- Super slim and compact design with plastic housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- One CompactFlash® slot
- Automatic data flow control RS-485
- Supports Windows® XP/CE and WinXPe

Introduction

The TPC-660G models are compact platforms without redundant functions, which have been designed for small-sized operator interface applications. The integration of a fanless kernel, touchscreen and non-volatile storage makes this machine a reliable solution for industrial environments. The 16-bit PC/104 expansion slot provides a dependable and convenient way to add-on functions. Common PC/104 cards for a variety of applications can fit in the TPC-660G.

Specifications

General

- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 195 x 148 x 44.4 mm (7.68" x 5.83" x 1.75")
- **Enclosure** ABS and ABS + PC
- **Mounting** Panel
- **OS Support** Windows XP/CE and WinXPe
- **Power Consumption** 43.52 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** Programmable as 250 ms, 500 ms, 1 second
- **Weight (Net)** 0.8 kg (1.76 lb)

System Hardware

- **Audio Ports** 1 x Line-out, 1 x Microphone
- **CPU** AMD LX800 500 MHZ
- **Expansion Slots** 1 x CompactFlash® slot
1 x PCI-104
- **Graphics Controller** AMD LX800 (Internal)
- **Keyboard/Mouse Ports** 1 x PS/2
- **LAN** 1 x 10/100Base-T
- **Memory** 256 MB DDR SDRAM (up to 1 GB DDR SDRAM)
- **Serial Ports** 1 x RS-232
1 x RS-232/RS422/RS485
- **Storage** 1 x CompactFlash card (optional)
- **USB Ports** 2 x USB 2.0

LCD Display

- **Backlight Life** 20,000 hrs
- **Contrast Ratio** 180:1
- **Display Size** 6.4"
- **Display Type** TFT LCD
- **Luminance (cd/m²)** 150
- **Max. Colors** 262 K
- **Max. Resolution** 640 x 480
- **Viewing Angle (H/V)** 90/50

Touchscreen

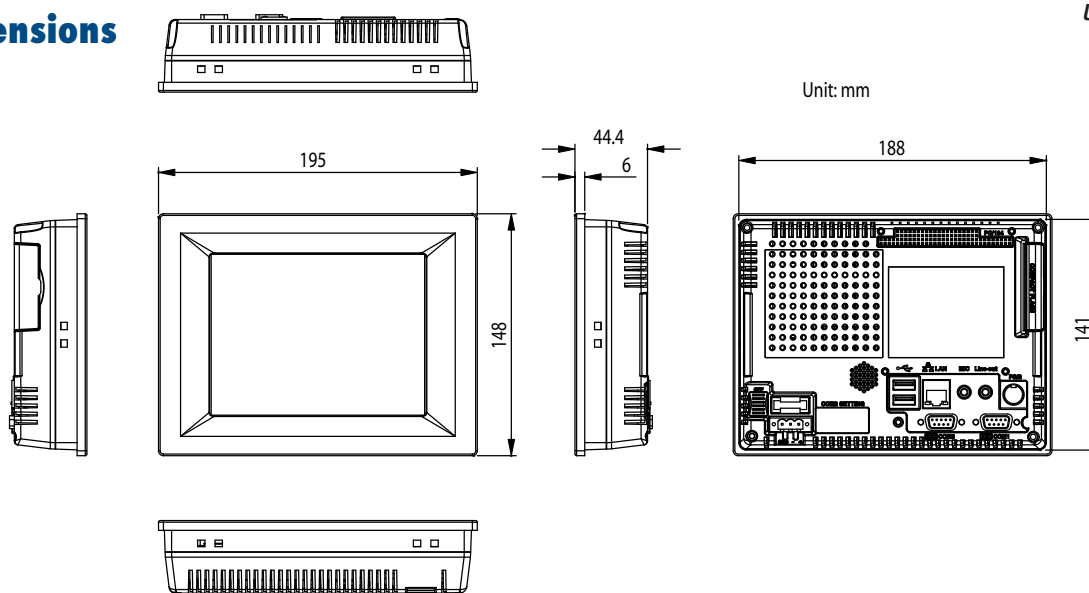
- **Lifespan** 10 millions times with a silicone rubber of 8 mm diameter finger
- **Light Transmission** Above 75%
- **Resolution** 1024 x 1024
- **Type** 4-wire, analog resistive

Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Vibration Protection** 1 Grms (Random, Operating)

Dimensions

Unit: mm

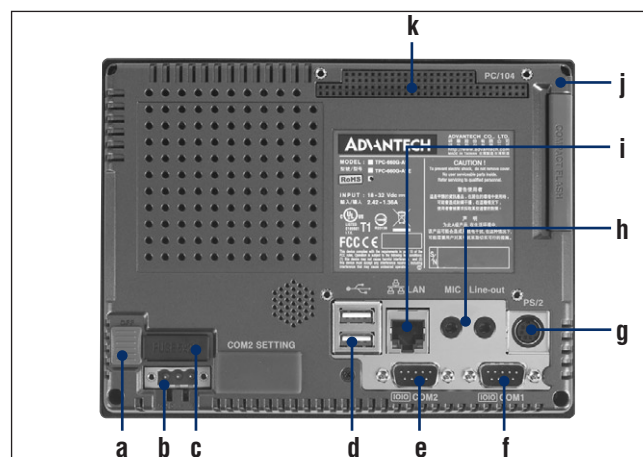


Panel Cut-out Dimensions: 188.4 x 141.4 mm

Ordering Information

- TPC-660G-B1E 6.4" TFT LCD Display TPC with AMD LX800 500 MHz and 256 MB DDR SDRAM

Rear View



- a. Power
- b. Power Receptor
- c. Fuse
- d. USB 1.1 Host
- e. COM2 (RS232/422/485)
- f. COM1 (RS232)
- g. PS/2
- h. Audio (MIC, Line-out)
- i. 10/100Mb LAN
- j. CompactFlash
- k. PC/104

- 1 PAC & Software
- 2 BAS
- 3 UNO
- 4 RS-485 I/O
- 5 Ethernet I/O
- 6 TPC
- 7 IPPC
- 8 FPM
- 9 AWS
- 10 Plug-in I/O
- 11 CompactPCI
- 12 Signal Conditioning
- 13 USB I/O
- 14 Motion Control I/O
- 15 Ethernet Switch
- 16 EDG
- 17 ICOM

TPC-120H

Intel® XScale PXA Touch Panel Computers with 12.1" SVGA TFT LCD Display

NEW



Features

- Intel® PXA 270 processor on board
- 12.1" SVGA TFT LCD
- Super slim and compact design with Al-Mg housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Automatic data flow control RS-485
- Supports Microsoft® Windows® CE

Introduction

TPC-120H models are compact platforms without redundant functions that have been designed for operator interface applications. Its RISC kernel, Intel PXA, consumes minimum power without sacrificing performance. With a high quality TFT LCD display, TPC-120H models support two 10/100BASE-T Ethernet ports to offer solid communication ability, and comes bundled with a Windows CE OS to support thin-client solutions.

Specifications

General

- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 311 x 237 x 50 mm (12.24" x 9.33" x 1.97")
- **Enclosure** Al-Mg and ABS
- **Mounting** Desktop, swing arm or wall (with mounting kit)
- **OS Support** Windows
- **Power Consumption** 30 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1.6 sec (system)
- **Weight (Net)** 2.2 kg (4.85 lb)

System Hardware

- **CPU** Intel® PXA 270 520 MHz
- **Expansion Slots** 1 x CompactFlash® slot
- **LAN** 2 x 10/100Base-T
- **Memory** 64 MB SDRAM on board
- **Serial Ports** 3 serial ports
(2 x Full RS-232; 1 x 4-pin RS-232/RS-485)
- **Storage** 64 MB MDOC on board
1 x CompactFlash card (optional)
- **USB Ports** 2 x USB 1.1
- **Video Ports** 1 x VGA
- **CAN Port** 1 x Isolated CAN 2.0B Interface (Optional)
CAN Controller: SJA-1000
CAN Transceiver: 82C250

LCD Display

- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 300:1
- **Display Size** 12.1"
- **Display Type** SVGA TFT LCD
- **Luminance cd/m²** 340
- **Max. Colors** 262 K
- **Max. Resolution** 800 x 600
- **Viewing Angle (H/V)** 100/60

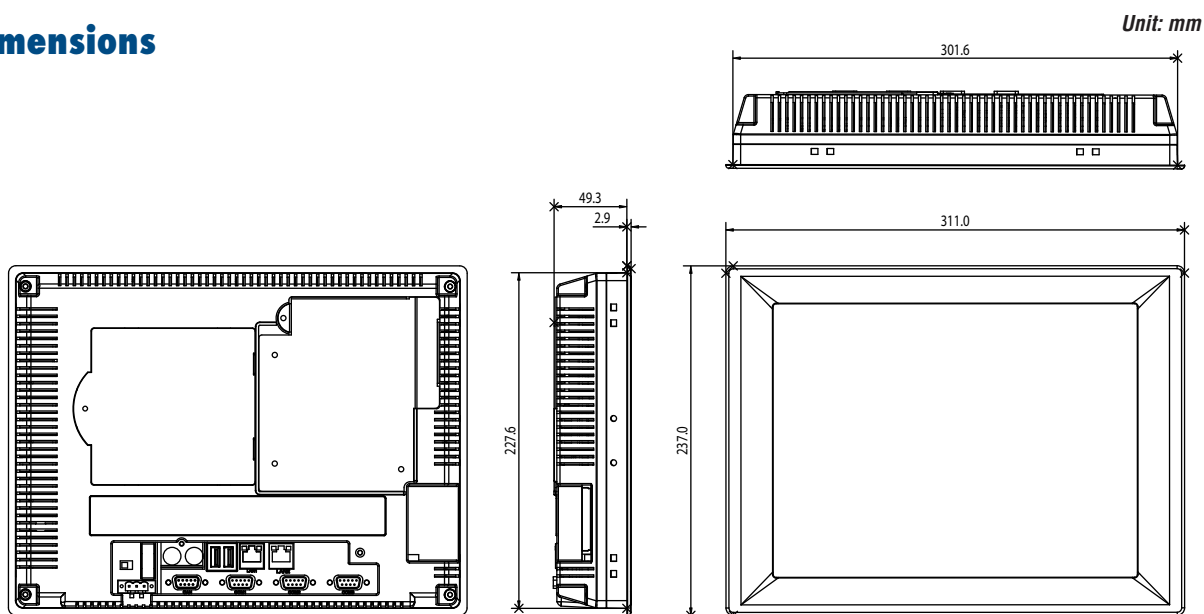
Touchscreen

- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Pixel Pitch (H x V)** 0.3075 x 0.3075 mm
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Vibration Protection** 1 grms (5 ~ 500 Hz)
(Operating, random vibration)

Dimensions



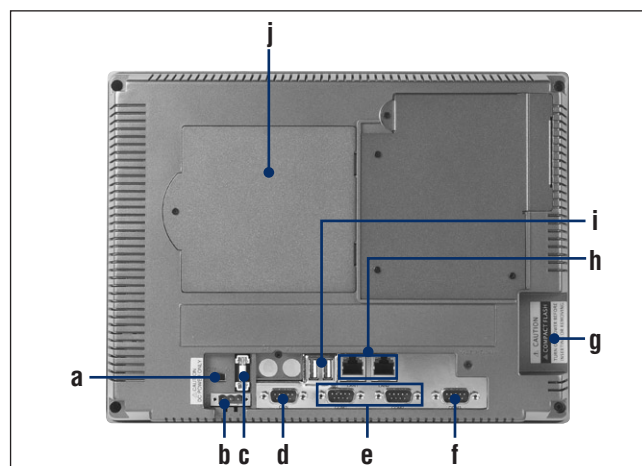
Ordering Information

- **TPC-120H-E2E** 12.1" TFT LCD Display TPC with Intel PXA 520MHz, 64MB SDRAM/64 MB Flash on board and Windows CE 5.0 OS

Accessories

- **TPC-1260 STAND** TPC-1260T/TE desktop stand
- **TPC-1260 WALLMT** TPC-1260T/TE wallmount kit
- **TPC-120CAN-01** CAN-Bus 2.0 module for TPC-120H

Rear View



- a. Power
- b. Power Receptor
- c. Fuse
- d. CAN Port
- e. COM Port (RS232)
- f. COM3 (RS232/485)
- g. Compact Flash
- h. Ethernet Port
- i. USB Port
- j. CAN Module Cover

- 1 PAC & Software
- 2 BAS
- 3 UNO
- 4 RS-485 I/O
- 5 Ethernet I/O
- 6 TPC
- 7 IPPC
- 8 FPM
- 9 AWS
- 10 Plug-in I/O
- 11 CompactPCI
- 12 Signal Conditioning
- 13 USB I/O
- 14 Motion Control I/O
- 15 Ethernet Switch
- 16 EDG
- 17 ICOM

TPC-66S TPC-66T

Intel® XScale Touch Panel Computer with 5.7" QVGA STN LCD Display

Intel XScale Touch Panel Computer with 5.6" QVGA TFT LCD Display



Features

- Intel® XScale PXA processor on board
- 5.7" QVGA color STN LCD
- Super slim and compact design with plastic housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Built-in flash memory and Windows® CE OS
- One CompactFlash® slot
- Automatic data flow control RS-485

Introduction

The TPC-66S models are compact platforms without redundant functions, which have been designed for small-sized operator interface applications. They have 5.7" STN LCD display which is a cost effective choice for a limited budget. Its RISC kernel, the Intel XScale PXA processor consumes minimum power without sacrificing performance. The TPC-66S has 10/100Base-T Ethernet port offering solid communication ability and comes bundled with a Windows® CE OS that supports Thin-Client solutions. The built-in Windows CE OS platform lets TPC-66S become an Open HMI solution for system integration.

Specifications

General

- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 195 x 148 x 44.4 mm (7.68" x 5.83" x 1.75")
- **Enclosure** ABS
- **Mounting** Panel
- **OS Support** Built-in Windows CE
- **Power Consumption** 20 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** Programmable as 250 ms, 500 ms, 1 second
- **Weight (Net)** 0.8 kg (1.76 lb)

System Hardware

- **CPU** Intel XScale PXA270 416 MHz
- **Expansion Slots** 1 x CompactFlash slot
- **Graphics Controller** Controlled by CPU
- **LAN** 1 x 10/100Base-T
- **Memory** 64 MB SDRAM on board
- **Serial Ports** 2 x full RS-232
1 x 4-pin RS-232/RS485
- **Storage** 64 MB Flash memory on board
1 x CompactFlash card (optional)
- **USB Ports** 2 x USB 1.1 (one host, one client)

LCD Display

- **Backlight Life** 60,000/30,000 hrs (TPC-66S/TPC-66T)
- **Contrast Ratio** 55:1/400:1 (TPC-66S/TPC-66T)
- **Display Size** 5.7"/5.6" (TPC-66S/TPC-66T)
- **Display Type** STN LCD/TFT LCD (TPC-66S/TPC-66T)
- **Luminance (cd/m²)** 400/500 (TPC-66S/TPC-66T)
- **Max. Colors** 64 K
- **Max. Resolution** 320 x 240/320 x 234 (TPC-66S/TPC-66T)
- **Viewing Angle (H/V)** 100/55/100/60 (TPC-66S/TPC-66T)

Touchscreen

- **Type** 4-wire, analog resistive
- **Resolution** 1024 x 1024
- **Light Transmission** Above 75%
- **Lifespan** 10 millions times with a silicone rubber of 8 mm diameter finger

Environment

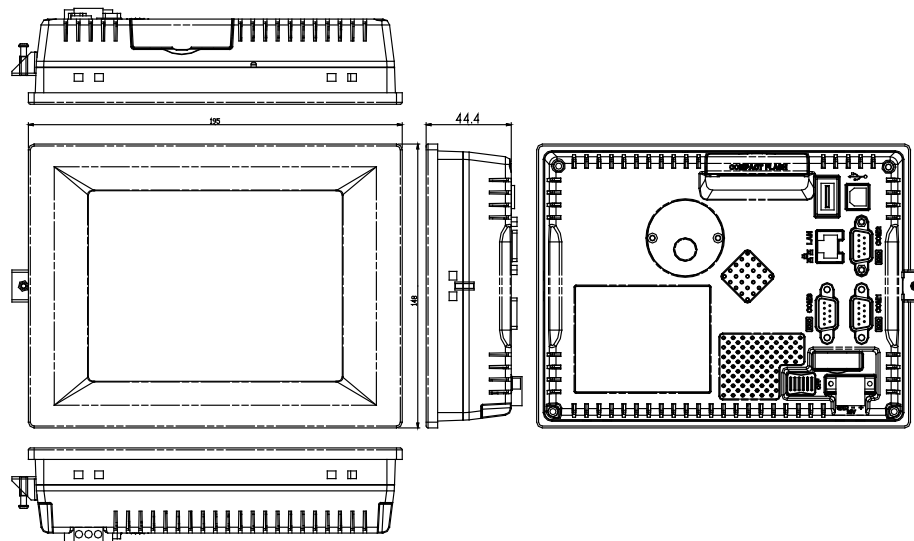
- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Vibration Protection** 1 Grms (Random, Operating)

Ordering Information

- **TPC-66SN-E2E** 5.7" color STN LCD Display TPC with PXA270 416 MHz CPU, 64 MB SDRAM/64 MB flash on board and Windows CE5.0
- **TPC-66T-E2E** 5.6" color TFT LCD Display TPC with PXA270 416 MHz CPU, 64 MB SDRAM/64 MB flash on board and Windows CE5.0

Dimensions

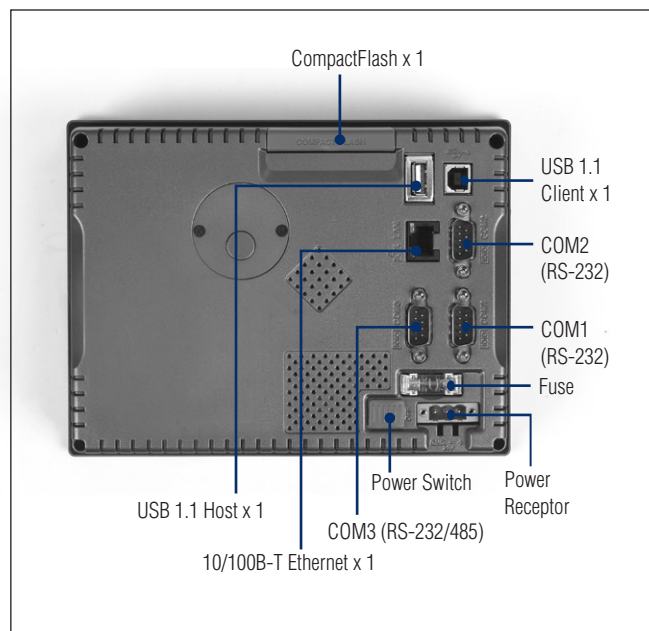
Unit: mm



Panel Cut-out Dimensions: 188.4 x 141.4 mm

Rear View

TPC-66S/TPC-66T



- 1 PAC & Software
- 2 BAS
- 3 UNO
- 4 RS-485 I/O
- 5 Ethernet I/O
- 6 TPC
- 7 IPPC
- 8 FPM
- 9 AWS
- 10 Plug-in I/O
- 11 CompactPCI
- 12 Signal Conditioning
- 13 USB I/O
- 14 Motion Control I/O
- 15 Ethernet Switch
- 16 EDG
- 17 ICOM

TPC-68T

Intel® XScale Touch Panel Computer with 5.6" QVGA TFT LCD Display and CAN-bus Support

NEW



Features

- Intel® XScale PXA processor on board
- 5.6" color TFT LCD
- Super slim and compact design with plastic housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Built-in flash memory and Windows® CE OS
- One CompactFlash® slot
- Automatic data flow control RS-485
- CAN-bus 2.0B protocol compatibility

Introduction

The TPC-68T models are compact platforms without redundant functions, which have been designed for small-sized operator interface applications. They have 5.6" TFT LCD display which is a cost effective choice for a limited budget. Its RISC kernel, the Intel XScale PXA processor consumes minimum power without sacrificing performance. The TPC-68T has 10/100Base-T Ethernet port offering solid communication ability and comes bundled with a Windows CE OS that supports Thin-Client solutions. The built-in Windows CE OS platform lets TPC-68T become an Open HMI solution for system integration.

Specifications

General

- **Certifications** BSMI, CCC, CE, FCC, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 195 x 148 x 44.4 mm (7.68" x 5.83" x 1.75")
- **Enclosure** ABS
- **Mounting** Panel
- **OS Support** Built-in Windows CE
- **Power Consumption** 20 W
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** Programmable as 250 ms, 500 ms, 1 second
- **Weight (Net)** 0.8 kg (1.76 lb)

System Hardware

- **CPU** Intel XScale PXA270 416 MHz
- **Expansion Slots** 1 x CompactFlash slot
- **Graphics Controller** Controlled by CPU
- **LAN** 1 x 10/100Base-T
- **Memory** 64 MB SDRAM on board
- **Serial Ports** 1 x full RS-232
1 x CAN-Bus 2.0b/ RS-485
- **Storage** 64 MB Flash memory on board
1 x CompactFlash card (optional)
- **USB Ports** 2 x USB 1.1 (one host, one client)
- **CAN Port** 1 x Isolated CAN 2.0B Interface
CAN Controller: SJA-1000
CAN Transceiver: 82C250

LCD Display

- **Backlight Life** 30,000 hrs
- **Contrast Ratio** 400:1
- **Display Size** 5.6"
- **Display Type** TFT LCD
- **Luminance (cd/m²)** 500
- **Max. Colors** 64 K
- **Max. Resolution** 320 x 236
- **Pixel Pitch (H x V)** 0.36 x 0.36 mm
- **Viewing Angle (H/V)** 100/60

Touchscreen

- **Type** 4-wire, analog resistive
- **Resolution** 1024 x 1024
- **Light Transmission** Above 75%
- **Lifespan** 10 millions times with a silicone rubber of 8 mm diameter finger

Environment

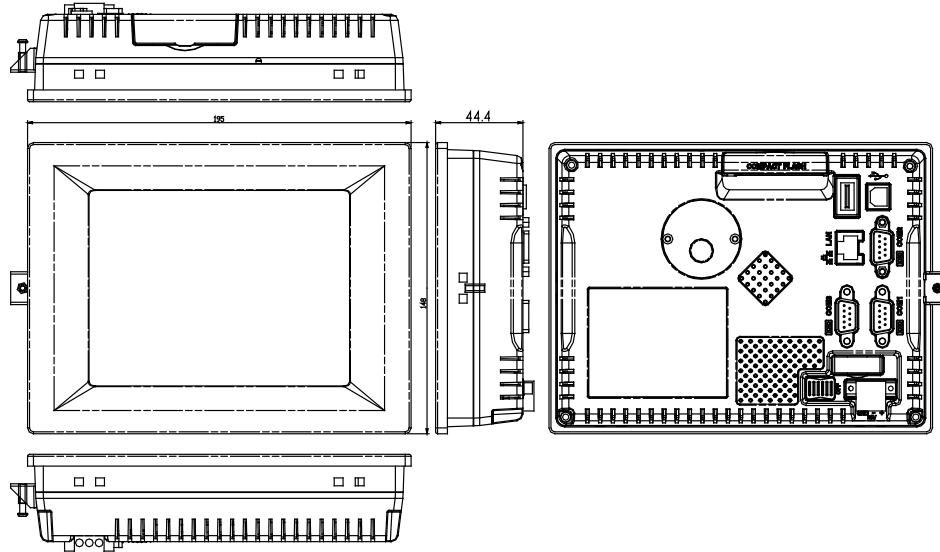
- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Vibration Protection** 1 Grms (Random, Operating)

Ordering Information

- **TPC-68T-E2E** 5.6" color TFT LCD Display TPC with PXA270 416 MHz CPU, 64 MB DRAM/64 MB flash on board and Windows CE5.0

Dimensions

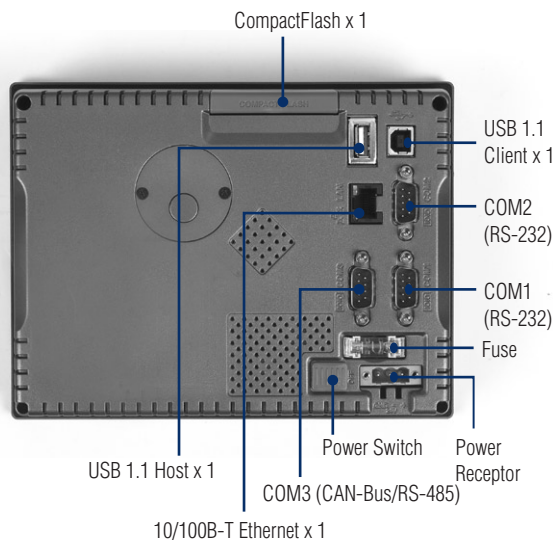
Unit: mm



Panel Cut-out Dimensions: 188.4 x 141.4 mm

Rear View

TPC-68T



1

PAC & Software

2

BAS

3

UNO

4

RS-485 I/O

5

Ethernet I/O

6

TPC

7

IPPC

8

FPM

9

AWS

10

Plug-in I/O

11

CompactPCI

12

Signal Conditioning

13

USB I/O

14

Motion Control I/O

15

Ethernet Switch

16

EDG

17

ICOM

