

TPC-1271H

12.1" SVGA TFT LCD Intel® Atom™ Dual-Core D525 Touch Panel Computer



Features

- Intel® Atom™ processor up to 1.8 GHz
- 12.1" SVGA TFT LCD
- Compact design with die-cast Al front bezel
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- PCIe and Mini PCIe expansion support
- 8 DI/O and backup SRAM support
- Supports DDR3 SDRAM
- Serial port isolation protection
- EN50155 power design compliant
- Automatic data flow control RS-485
- Gigabit Ethernet supported
- Supports Microsoft® Windows® 7/ XP/ WES / WEC

Introduction

With a high quality TFT LCD display, TPC-1271H is designed with the Intel® Atom™ D525 processor as its core. The Intel® Atom™ has low power consumption and 1.8 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1271H 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 | AMI |
| ▪ Certifications | BSMI, CCC, CE, FCC Class A, UL |
| ▪ Cooling System | Fanless design |
| ▪ Dimensions (W x H x D) | 311 x 237 x 71.6 mm (12.24" x 9.33" x 2.82") |
| ▪ Enclosure | Front bezel: Die-cast Aluminum alloy
Back housing: ABS + PC |
| ▪ Mounting | Desktop, Wall or Panel Mount |
| ▪ OS Support | Microsoft® Windows® 7/ XP/ WES / WEC* |
| ▪ Power Consumption | 20 W (typical) |
| ▪ Power Input | 9 ~ 32 V _{DC} |
| ▪ Watchdog Timer | 1 ~ 255 sec (system) |
| ▪ Weight (Net) | 4.57 kg (10.07 lbs) |

System Hardware

- | | |
|-------------------|--|
| ▪ CPU | Intel® Atom™ D525 1.8 GHz with 1MB cache |
| ▪ Chipset | ICH8M |
| ▪ Memory | 2GB SO-DIMM DDR3 SDRAM |
| ▪ LAN | 10/100/1000Base-T x 2 |
| ▪ Expansion Slots | PCI-E and Mini PCI-E |
| ▪ Storage | CompactFlash® slot x 1
2.5" SATA HDD x 1 (SATA2 optional) |
| ▪ I/O | RS-232 x 2 (COM1, 3) with isolation
RS-422/485 x 1 (COM4) with isolation and auto data flow control
USB 2.0/1.1 x 2 (Host) |

LCD Display

- | | |
|-------------------------------|--------------|
| ▪ Display Type | SVGA TFT LCD |
| ▪ Display Size | 12.1" |
| ▪ Max. Resolution | 800 x 600 |
| ▪ Max. Colors | 262 K |
| ▪ Luminance cd/m ² | 450 |
| ▪ Viewing Angle (H/V°) | 160/140 |
| ▪ Backlight Life | 50,000 hrs |
| ▪ Contrast Ratio | 700 : 1 |

Touchscreen

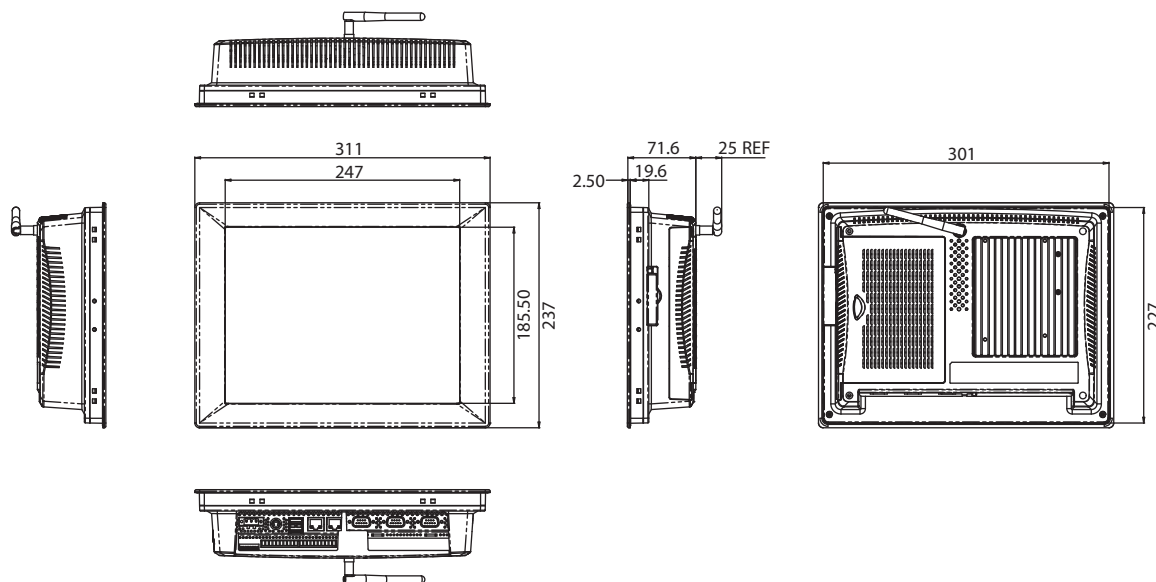
- | | |
|----------------------|------------------------------------|
| ▪ Lifespan | 10 million touches at single point |
| ▪ Light Transmission | Above 75% |
| ▪ Resolution | Linearity |
| ▪ Type | 5-wire, analog resistive |

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 ~ 60° C (-4 ~ 140° F) |
| ▪ Vibration Protection | With HDD: 1 Grms (5 ~ 500 Hz)
(Operating, random vibration) |

Dimensions

Unit: mm



Panel Cut-out Dimensions: 302 x 228 mm

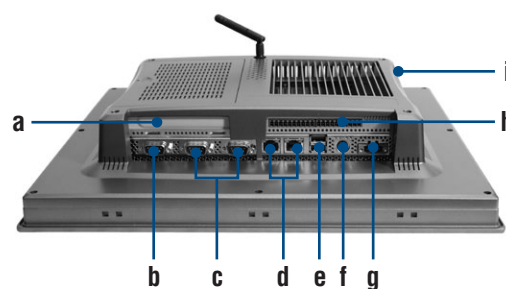
Ordering Information

- **TPC-1271H-D3AE** 12.1" SVGA Touch Panel PC, D525 1.8 GHz, 3 GB

Accessories

- **1757003463** 100-240V_{AC} to 19V_{DC} 90W Power Adapter
- **1700001524** Power Cord 3P UL 10A 125V 1.8M
- **1702002605** Power cable EU Plug 1.8M
- **1702031801** Power cable UK Plug 1.8M
- **1702031836** Power cable China/Australia Plug 1.8M
- **TPC-X71H-EIOE** TPC-1071/1271/1571 8DI/8DO kit
- **968EMW0028** WLAN IEEE 802.11 b/g/n Mini PCIe
- **PWR-247-AE** 50W DC 24V/2.3A Output Power Supply

Rear View



- a. PCI-E slot
- b. COM (RS-422/485)
- c. COM (RS-232)
- d. LAN (10/100/1000)
- e. USB 2.0

- f. PS/2
- g. Power Receptor
- h. DI/O ports
- i. CompactFlash

* Windows XP supports 10 languages with MUI. (English, Traditional Chinese, Simplified Chinese, French, German, Spanish, Russian, Italian, Japanese and Korean)