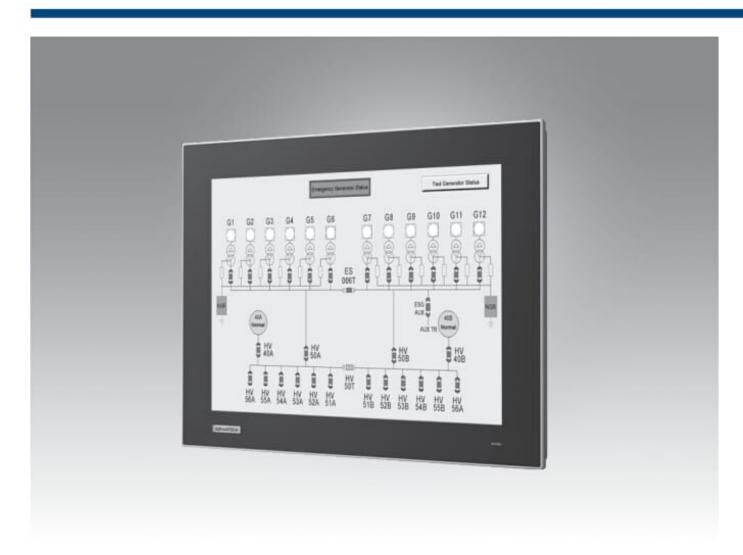


TPC-1551T(B)

15" XGA TFT LED LCD Thin-Client **Terminal with Intel® Atom™ Processor**



Features

- Industrial-grade 15" XGA TFT LCD with 70K lifetime and LED backlight
- Intel[®] Atom[™] E3845 1.91 GHz quad-core processor with 4 GB DDR3L SDRAM
- True-flat touchscreen with 5-wire resistive touch control and IP66-rated front
- Wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F)
- Front-facing LED indicators to show operating status
- Advantech iDoor technology and SSD/HDD bay
- Compact, fanless system with aluminum alloy front bezel and chassis grounding protection
- Supports VESA mount (100 x 100 mm)
- Supports Advantech's SNMP Subagent software
- Supports Advantech's WISE-PaaS/RMM remote management software



Introduction

The TPC-1551T(B) thin-client terminal is the next-generation model of Advantech's TPC-1551T(A) industrial panel PC. Equipped with a 15" XGA TFT LED LCD, low-power Intel® Atom™ E3845, 1.91GHz, quad-core processor, and 4 GB of DDR3L SDRAM, TPC-1551T(B) delivers high-performance computing in a compact, fanless system. For enhanced durability to satisfy diverse industrial automation applications, TPC-1551T(B) supports a wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F) and features a true-flat 5-wire resistive touchscreen with IP66-rated front panel, die-cast aluminum alloy front bezel, and 100 x 100 VESA mount kit. Moreover, with the provision of a full-size mini PCIe slot that supports mSATA signals and Advantech's iDoor technology, TPC-1551T(B) can be easily expanded to provide additional I/O ports, isolated digital I/O, fieldbus protocols, MRAM, and 3G/GPS/GPRS/Wi-Fi communication capabilities.

Specifications

General

BIOS AMI UEFI

BSMI, CCC, CE, FCC Class A, UL Certification

Fanless design Cooling System

Dimensions (W x H x D) 383.2 x 307.3 x 55.9 mm (15.09 x 12.10 x 2.2 in)

 Enclosure Front bezel: Die-cast aluminum alloy

Back housing: SECC

Desktop/wall/panel Mount Options

Microsoft® WES7 (32/64-bit), Windows 7 (32/64-bit), OS Support

Windows 10 Enterprise LTSB

Power Consumption

50.8W (typical) 24 V_{DC} +/- 20% Power Input Watchdog Timer 1 ~ 255 sec (system)

 Weight (Net) 4.4 kg (9.7 lb)

System Hardware

Expansion Slots

I/O

CPU Intel® Atom™ E3845, 1.91 GHz, quad core

Memory 1 x SODIMM with 4 GB DDR3L SDRAM (up to 8 GB)

LAN 2 x Intel® I210; 10/100/1000 BASE-T

1 x Full-size mini PCle with mSATA support

Storage 1 x 2.5" SATA SSD

All product specifications are subject to change without notice.

1 x RS-232

1 x RS-232/422/485

1 x USB 3.0

3 x USB 2.0

1 x iDoor slot

LCD

XGA TFT LED LCD Display Type

 Display Size 15"

Max. Resolution 1024 x 768 Max. Colors 16.2M

300 cd/m² Luminance

176/176 Viewing Angle (H/V°) Backlight Life 70,000 hr

Touchscreen

Contrast Ratio

 Lifespan 36 million touches at a single point

2000:1

 Light Transmission Above 75% Resolution Linearity

Type 5-wire analog resistive

Environment

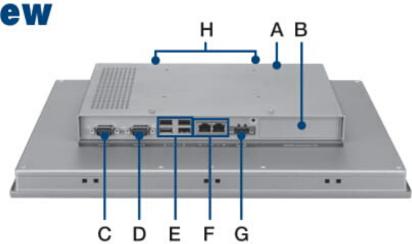
Humidity

10 ~ 95% RH @ 40 °C, non-condensing

 Ingress Protection IP66-rated front panel -20 ~ 60 °C (-4 ~ 140 °F) Operating Temperature

-30 ~ 70 °C (-22 ~ 158 °F) Storage Temperature With SSD: 1 Grms (5 ~ 500 Hz) Vibration Protection

(operating, random vibration) **Rear View**



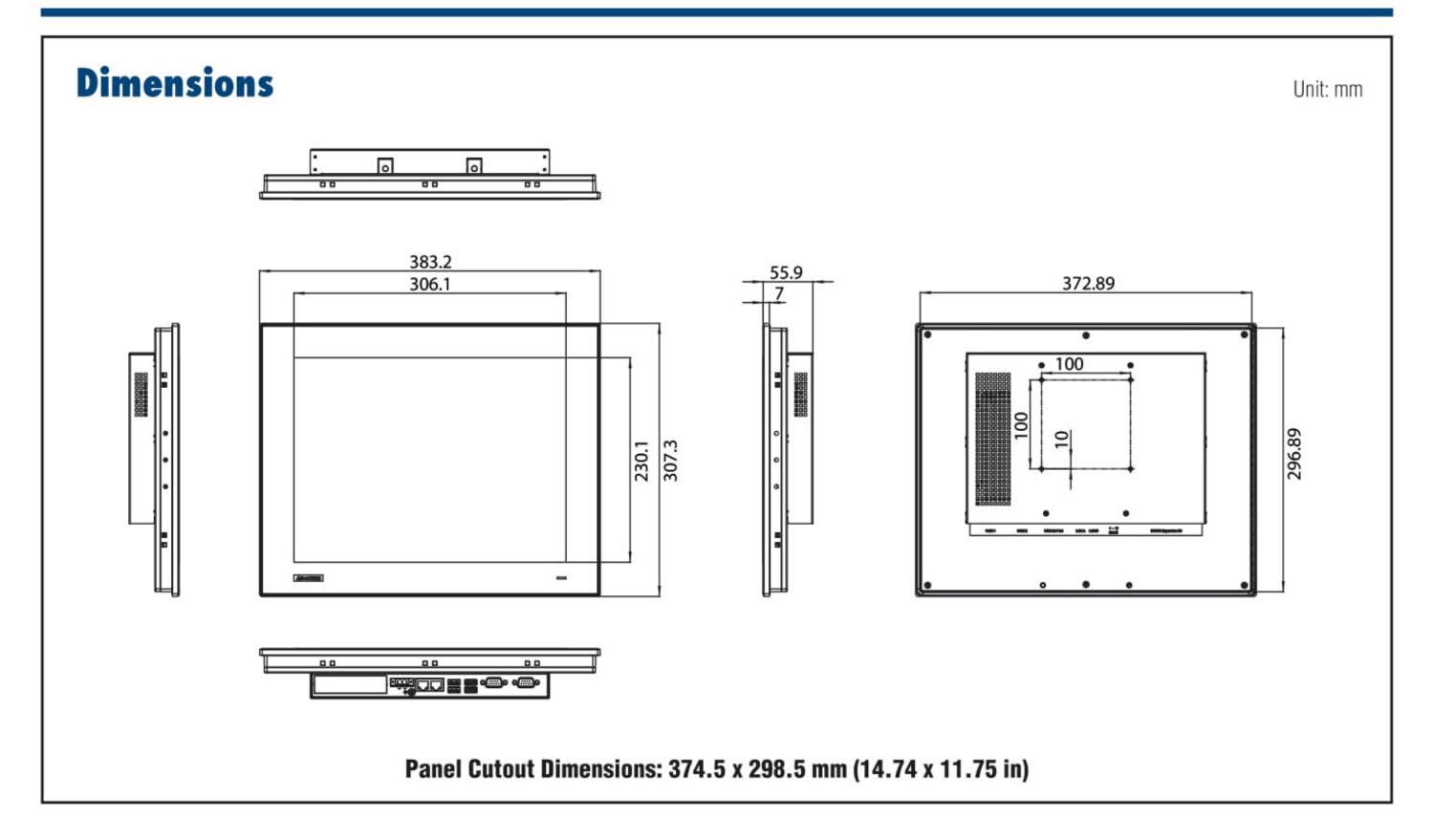
A. HDD/SSD bay B. iDoor slot C.RS-232 D. RS-232/422/485

E. USB 2.0 and 3.0 F. LAN (10/100/1000) G. Power input H. Antenna port



Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl

TPC-1551T(B)



Ordering Information

15" XGA panel PC with Intel® Atom™ E3845, 1.91 GHz TPC-1551T-E3BE quad-core CPU, 4 GB DDR3L SDRAM, and true-flat

touchscreen

Note: Can be equipped with an Intel® Atom™ J1900 CPU upon request

Optional Accessories

60 W, 24 VDC /2.5A power supply PWR-247-CE

Power cable (US) 1.8 M 1702002600 1702002605 Power cable (EU) 1.8 M Power cable (UK) 1.8 M 1702031801

Power cable (China/Australia) 1.8 M 1700000596-11

Embedded OS

20703WE7PS0027 TPC-xx51T(B) WS7P x86 MUI Image V4.19 20703WE7PS0028 TPC-xx51T(B) WS7P x64 MUI Image V4.19

iDoor Modules

 PCM-26D2CA-AE SJA1000 CANbus module with CANopen and 2 x DB9 PCM-26D1DB-MAE Hilscher netX100 fieldbus module with PROFIBUS and

1 x DB9

Digital I/O module with 16 DI/8 DO, isolation PCM-27D24DI-AE

protection, and 1 x DB37

OXPCIe-952 UART with isolated RS-422/485 and PCM-24D2R4-BE

2 x DB9

OXPCIe-952 UART with isolated RS-232 and 2 x DB9 PCM-24D2R2-BE

2-Port GigaLAN Intel® i350 PCIe mini card PCM-24R2GL-AE Intel® 82574L, GbE, IEEE 1588 PTP, 1 x RJ45 PCM-24R1TP-AE

PCM-262R2EC-MAE

Hilscher netX100 fieldbus mPCle with EtherCAT, 2 x RJ45, Master

PCM-27J3AU-AE

3-Port audio stereo with mPCle and 3.5-mm jack

PCM-29R1TX-AE

1-Port iLink(TX) long-distance display transmitter with RJ45

Application Software

Advantech WebAccess/SCADA is a 100% browser-based IIoT software platform aimed at supervisory control and data acquisition (SCADA) operations. WebAccess/SCADA provides open interfaces that allow our customers and partners to develop unique IoT applications for different vertical WebAccess/SCADA markets. In addition to supporting traditional SCADA functions, the platform features an HTML5-based user interface and intelligent dashboard to facilitate cross-platform, cross-browser data analysis. Moreover, WebAccess/SCADA not only offers built-in widgets, but is also equipped with an innovative Widget Builder that enables customers to build their own widgets. Advantech WebAccess/HMI is human-machine interface (HMI) software based on Microsoft's Windows operating system. This software features excellent

WebAccess/HMI

communication and monitoring capabilities, supports more than 350 PLC communication protocols, and offers a wide choice of screen design objects to satisfy diverse automation applications and HMI monitoring requirements.

