

APPC 1720T/1721T

17" TFT SXGA 4:3 Flush Panel PC with Intel® Atom™ D525,
1.8GHz, Projective Capacitor Touch Screen, CAN Bus,
4 x USB, 4 x COM and VGA



Main Features

- ♦ 4:3 17" Fanless Panel Computer
- ♦ Intel® Atom™ D525, Dual Core, Low Consumption CPU
- ♦ Flush Panel by 5-wire Touch Screen
- ♦ Dual GbE; 2nd display VGA
- ♦ USB x 4/ 2 x mini-PCle/ 1 x CF/ 2 x RS232/ 422/ 485, PS2 KB/ MS
- ♦ Optional Wi-Fi Module / 2.5" HDD / 2 x COMs / CAN Bus
- ♦ DDR3 support / 2.5" HDD Bracket
- ♦ IP65 Compliant Front Panel
- ♦ Mounting Support: Panel/ Wall/ Stand/ VESA 100mm x 100mm
- ♦ Wide Range Power Input 12V~ 30V DC

Product Overview

Incorporated a 4:3 SXGA touch screen panel, industrial motherboard for versatile industrial applications, the APPC 1720T is fanless Panel PC based on the Atom™ D525 processor. The APPC 1720T is available in 17" LCD size with resolutions up to 1280x1024 (SXGA). Other features include built-in dual Ethernet and optional Wi-Fi module and the slimmest x86 based touch terminal. The Panel PC comes with flush panel design and can have IP65 front for industrial applications. The touch screen provides the durable, reliable, and scratch-able benefits for easy maintenance in wide applications, especially for food and beverage industrial, which require strictly cleaning process.

The 17" APPC 1720T Panel PC has 380 nits brightness and can support resolutions up to SXGA (1280x1024), flush touch screen, 2GbE LAN, 2 x COMs, 2 x USB, PS2 KB/ MS, and Line-out. With wide range power input from 12V to 30V, the APPC series can have telecom, industrial field and machine devices. With 2nd display by VGA, APPC series can hook 2nd display via VGA port with different content. Depending on applications, customers can easily remove rear chassis to implement DDR3 memory, 2.5" HDD and 2 x mini-PCle.

Specifications

Panel

- ♦ LED Size: 17", 4:3
- ♦ Resolution: SXGA 1280x1024
- ♦ Luminance: 380cd/m2
- ♦ Contrast ratio: 1000
- ♦ Backlight: LED
- ♦ Touch screen: 5-wire resistive (flush panel type)

System

- ♦ CPU: Intel® Atom™ D525, 1.8Hz
- ♦ BIOS: AMI BIOS
- ♦ System chipset: Intel® ICH8M
- ♦ System memory: support up to 2GB DDR3 800 (Optional)
- ♦ SSD: one CF socket by IDE support Type I/II compact Flash card
- ♦ Hard drive bay: optional 2.5" SATA HDD or SATA DOM
- ♦ Watchdog timer: reset: 1 sec~ 255 min and 1 sec or 1 min/ step
- ♦ H/W status monitor: Monitoring system temperature, and voltage
- ♦ Expansion: 2x Mini-PCle
- ♦ NEXCOM Xcare platform system management supported

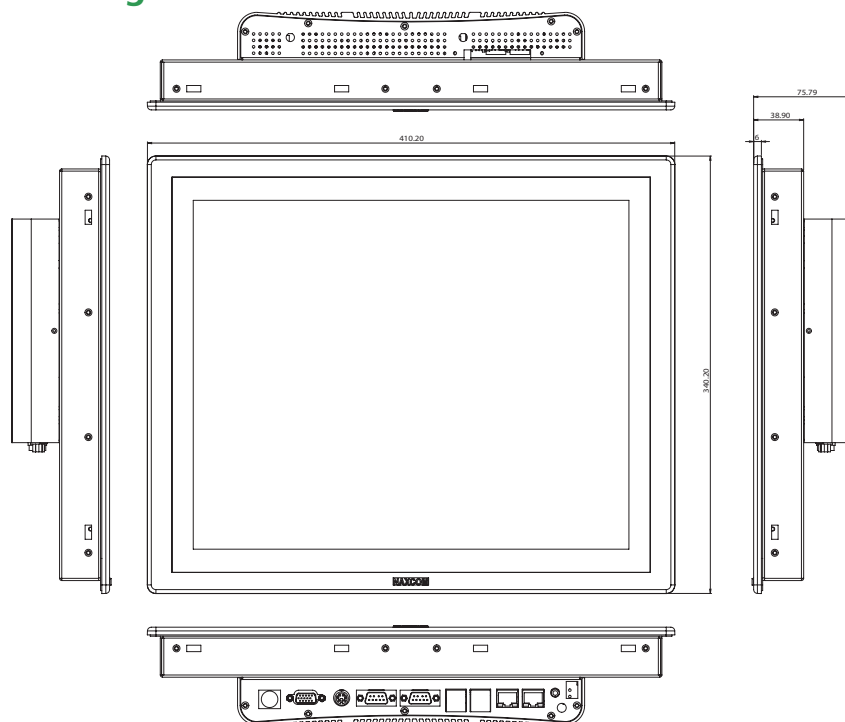
Rear I/O

- ♦ CAN BUS (for APPC1721T Optional)
- ♦ GPIO (for APPC1721T only): 4 x digital in / 4 x digital out
- ♦ COM #1: RS232/422/485 (APPC 1721T w/ 2.5kv isolated)
- ♦ COM #2: RS232/422/485 (APPC 1721T w/ 2.5kv isolated)
- ♦ COM #3 & COM #4 (for APPC 1721T only): 2x RS232
- ♦ Ethernet: 2 x RJ45
- ♦ 2nd display VGA port: 1 x DB15
- ♦ Audio port: Line out
- ♦ USB: 4 x USB 2.0
- ♦ PS2 keyboard/ mouse
- ♦ Power switch
- ♦ Reset button

Audio

- ♦ AC97 codec: Realtek ALC888
- ♦ Audio interface: Line out Audio Jack

Dimension Drawing



Ethernet

- LAN chip: dual Intel® 82574L Gigabit LAN
- Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Mechanical & Environment

- Color: pantone black U
- IP protection: IP65 front
- Mounting: panel/ wall/ stand/ VESA 100mm x 100mm
- Power input: 12V~ 30V DC
- Power adapter: Optional AC power adaptor (+12V)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @sine, 5~500Hz (operating)
 - 2Grms @ random condition (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD : 20G@wall mount, half sine, 11ms
 - CompactFlash@: 50G @ wall mount, half sine, 11 ms
- Operating temperature: -5°C to 50°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 410.2 x 340.2 x 75.8mm
- Weight: 7.5 Kg

Ordering Information

Barebone

- ♦ **APPC 1720T (P/N: 10IA1720T00X00)**
17" TFT LED Panel PC with Intel® Atom™ D525 1.8 GHz, touch screen, COM#1/ #2
- ♦ **APPC 1721T (P/N: 10IA1721T00X00)**
17" TFT LED Panel PC with Intel® Atom™ D525 1.8 GHz, touch screen, COM#1/ #2 w/ isolation, COM#3/ #4, GPIO (CAN bus Optional)