

APPC 1540T

15" TFT XGA 4:3 Flush Panel PC with Intel® Atom™ E3826, 1.46GHz, Touch Screen, 2GB DDR3L, 3 x USB, 2 x COM, and Fieldbus Port



Main Features

- ◆ 4:3 15" XGA Fanless LED Panel Computer
- ◆ Intel® Atom™ E3826, Dual Core, Low Consumption CPU
- ◆ Flush Panel by 5-wire Touch Screen
- ◆ Dual GbE/2nd display-VGA/Line-out/PS2 KB/MS
- ◆ USB x 3/2 x Mini-PCIe sockets/1 x CFast/2 x RS232/422/485
- ◆ DDR3L 2GB/2.5" HDD Bracket
- ◆ IP65 Compliant Front Panel
- ◆ Support fieldbus module, JMobile HMI and CODESYS SoftLogic (optional)
- ◆ Mounting Support: Panel/Wall/Stand/VESA 100mm x 100mm
- ◆ Wide Range Power Input 12V~30VDC

Product Overview

The 15" fanless panel PC APPC 1540T incorporating an industrial motherboard is intended for versatile industrial applications. The panel PC has a touch screen LED backlight LCD panel with 1024 x 768 (XGA) resolution and 400-nit brightness. The front panel which adopts flush design and complies with IP65 standard makes it the perfect fit in industrial applications.

The APPC 1540T supports WWAN/WLAN expansion and others via dual Gigabit Ethernet connectors, two Mini-PCIe slots and one SIM card holder. With support for wide power input of 12~30VDC, APPC 1540T can gain a strong foothold in industrial field and machine devices. In addition, APPC 1540T can hook 2nd display via a VGA port for dual independent display. APPC 1540T has two isolated RS232/422/485 ports, four isolated channels of DI and DO, and Fieldbus port.

Specifications

Panel

- ◆ LED Size: 15", 4:3
- ◆ Resolution: XGA 1024 x 768
- ◆ Luminance: 400cd/m²
- ◆ Contrast ratio: 700
- ◆ LCD color: 16.2M
- ◆ Viewing Angle: 60 (U), 80(D), 80(L), 80(R)
- ◆ Backlight: LED

Touch Screen

- ◆ 5-wire resistive (Flush panel type)
- ◆ Light transmission: 80%
- ◆ Interface: USB

System

- ◆ CPU: On-board Intel® Atom™ Dual Core processor E3826, 1.46GHz, 1M L2 Cache
- ◆ BIOS: AMI BIOS
- ◆ System memory: 2 x 204-pin DDR3L SO-DIMM socket, 2GB DDR3L (Default), Support up to 8GB DDR3L-1066/1333, Non-ECC and Un-buffered
- ◆ Storage Device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- ◆ Watchdog timer: Watchdog timeout can be programmable by

software from 1 second to 255 seconds and from 1 minute to 255 minutes (Tolerance 15% under room temperature 25°C)

- ◆ H/W status monitor: Monitoring system temperature, and voltage
- ◆ Expansion: 2 x Mini-PCIe sockets (support optional Wi-Fi, 3.5G module or Fieldbus Card)

Rear I/O

- ◆ Ethernet: 2 x RJ45
- ◆ 2nd display VGA port: 1 x DB15
- ◆ Audio port: 1 x Line-out
- ◆ USB: 2 x USB 2.0, 1 x USB 3.0
- ◆ PS2 keyboard/mouse
- ◆ Power switch
- ◆ Reset button
- ◆ 2-pin Remote Power on/ off switch
- ◆ DIO w/ 2.5kv isolated (Optional):
 - 4 x Digital Input (Source type)
 - Input Voltage (Dry Contact): Logic 0: Close to GND
 - Logic 1: Open
 - Input Voltage: Logic 0: 3V max
 - Logic 1: +5V ~ +30V
 - 4 x Digital Output (Sink type)
 - Output Voltage: 3.6V ~ 5V
 - Sink current: 200 mA max. per channel
- ◆ COM #1: RS232/422/485 w/ 2.5kv isolated

