

# APPC-1930T - 19" TFT LCD Fanless Touch Panel PC



## Features Highlight

- 4:3 19" SXGA Fanless Panel Computer
- Intel® Atom™ D2550, Dual Core, Low Consumption CPU
- Flush Panel by 5-wire Touch Screen
- Optional Wi-Fi Module
- IP65 Compliant Front Panel
- Mounting Support: Panel/ Wall/ Stand/ VESA 100mm x 100mm
- Wide Range Power Input 12V~30VDC



The 19" fanless panel PC APPC-1930T incorporating an industrial motherboard is intended for versatile industrial applications. The panel PC has a touch screen LED backlight LCD panel with 1280 x 1024 (SXGA) resolution and 380 nits brightness. The front panel which adopts flush design and complies with IP65 standard makes it the perfect fit in industrial applications.

The APPC-1930T 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 12V~30V, APPC-1930T can gain a strong foothold in industrial field and machine devices. In addition, APPC-1930T can hook 2nd display via a VGA port for dual independent display.

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## Specifications

Item No.	APPC-1930T
<b>Front Bezel</b>	IP65 front panel protection Color: Pantone black\RAL 15 00 front bezel w/ Pantone 400C\RAL 090 80 10 metal style membrane
<b>LCD Size</b>	19", SXGA 4:3 TFT LCD with LED Backlight
<b>Touch Screen</b>	5-wire resistive (flush panel type), Light transmission: 80%, Interface: USB
<b>Resolution</b>	1280 x 1024 pixels
<b>Brightness(cd/m<sup>2</sup>)</b>	350 nits
<b>LCD Color</b>	16.7M
<b>Contrast ratio</b>	1000: 1
<b>View Angle(H/V)</b>	170° /160°
<b>CPU Processor</b>	On-board Intel® Atom™ D2550 Dual Core Processor(1M Cache, 1.86 GHz)
<b>Chipset</b>	Intel® NM10 Express chipset
<b>System Memory</b>	2 x 204-pin DDR3 SO-DIMM Memory (max. 4GB)
<b>I/O Connector</b>	1 x Audio (Line-in/ Line-out/ Mic-in) 2 x Gigabit LAN 4 x USB 2.0 2 x RS-232/422/485 1 x VGA Port 1 x PS/2 Keyboard/Mouse 1 x Power Input 1 x External locked CFast socket 1 x Power Switch 1 x Reset button
<b>Drive Bay</b>	1 x 2.5" SATA HDD or 1 x SATA DOM(Optional)
<b>Expansion Slot</b>	2 x Mini-PCIe sockets (Support optional WiFi or 3.5G module)
<b>Wireless</b>	Optional 3.5G / Wi-Fi Module
<b>Watchdog timer</b>	Watchdog timer: Watchdog timeout can be programmed by software from 1 second to 255 seconds and from 1 minute to 255 minutes (Tolerance 15% under room temperature 25°C)
<b>Mounting Kit</b>	Supports Sanel, Wall, Stand, VESA 100mm x 100mm
<b>Power Supply</b>	Power input: 12V- 30V DC 60W AC to DC Power Adaptor (Optional)
<b>Operation Temperature</b>	23°F -140°F (-5°C-60°C)
<b>Relative Humidity</b>	10%~90% relative humidity, non-condensing Limits to be at 90% RH at max 50°C
<b>Vibration</b>	IEC 68 2-64 (w/ HDD) - 1Grms @sine, 5~500Hz, 1hr/axis (HDD Operating) - 2Grms @sine, 5~500Hz, 1hr/axis (CFast Operating) - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (Non-operating)
<b>Shock</b>	- IEC 68 2-27 - HDD: 20G@wall mount, half sine, 11ms
<b>Dimensions(WxHxD)</b>	18.02" x 14.93" x 2.41" (457.64 x 379.24 x 61.25 mm)
<b>Net Weight</b>	14.3 lbs (6.5 Kg)
<b>EMC &amp; Safety</b>	CE approval, FCC Class A

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## Detail Views

### APPC-1930T Fanless Touch Panel PC I/O View

1. Audio (Line-in/ Line-out/  
Mic-in)
2. 2 x Gigabit LAN
3. 4 x USB 2.0
4. 2 x RS-232/422/485
5. PS/2 Keyboard/Mouse  
Reset Button
6. VGA Port
7. Power Input



### APPC-1930T Fanless Touch Panel PC Rear View

1. 1 x CFast™ Slot
2. Power Switch



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## Detail Views

APPC-1930T Fanless Touch  
Panel PC Front View



APPC-1930T Fanless Touch  
Panel PC Back View

1. VESA 100mm x 100mm



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## Mechanical Drawing

