

# AR-PA821FL-N2930

## Features

- 15"/17"/21" Industrial Compact Size Panel PC
- Flat front panel touch screen
- Fanless design
- Intel Bay Trail N2930(1.83GHz) CPU for option
- Onboard 4GB DDR3L-1600MHz / 4GB(option)
- 9~36VDC wide-ranging power input
- IP65 compliant front panel
- Optional projected capacitive touchscreen support 7H anti-scratch surface



## Specification

<b>Model Name</b>	<b>AR-PA821(P)FL-N2930</b>
<b>System</b>	
CPU	Onboard Intel Bay Trail N2930(1.83GHz) Processor for option
System Chipset	Intel Bay Trail SoC
System Memory	Onboard 4GB DDR3L-1600MHz / 4GB(option)
<b>Display</b>	
Display Type	21.5"
Max. Resolution	1920 x 1080
Max. Color	16.7 M
Luminance (cd/m <sup>2</sup> )	250
Contrast Ratio	3000 : 1
View angle(H°/V°)	H:178° / V:178°
Backlight Lifetime	30,000 hrs
<b>Touch screen</b>	
Type	Resistive Touch Windows / Projected Capacitive Touch(For P Model)
Interface	USB
Light Transmission	Resistive Touch Windows: 80% / Projected Capacitive Touch: 90%
<b>I/O Port</b>	
USB	1 x USB 2.0 type A + 1 x USB 3.0 type A
Serial/Parallel	1 x RS-232 DB-9(COM2) + 1 x DB-9 RS-232/422/485 (Default RS-232)(COM1)
Audio/HDMI	1 x Audio Line Out / 1 x HDMI Port (Reserved, no printing)
LAN	2 x GbE LAN RJ-45
Power	1 x 3-pin DC Power input terminal + 1 x 2-pin connector for power on/off button
Option	2 x RS-232 DB-9 + 1 x mini PCIe slot via TB-528C2ME1 2 x CAN bus via TB-528CAN2 2 x USB 2.0 type A Via TB-528U2 2 x USB 2.0 type A + 1 x mini PCIe slot + 1 x RS-232 DB-9 via TB-528C1U2P1 for AR-PA815(P)FL 2 x USB 2.0 type A + 1 x mini PCIe slot + 1 x RS-232 DB-9 via TB-528C1U2P1
<b>Storage</b>	
HDD	1 x 2.5" SATA HDD bay for SATA HDD (Easy Accessible)
Movable device	1 x SD card slot, up to 32GB
<b>Software</b>	
OS Support	Windows Embedded Compact 7, Windows Embedded Standard 7, Windows Embedded 8 Standard, Windows Embedded 8.1 Industry

## Expansion

On board expansion bus 1 x Internal mini PCIe slot full size

## Power Requirement

Power Input 9~36V DC

Power Consumption Max:26.7W

## Mechanical

Chassis Color RAL 9007

Front Bezel Metal Aluminum / Panel Mounting

Rear Panel Metal Aluminum / VESA Mount 100 x 100

IP Rating IP65 Compliant Front Panel

Dimension (mm) 557 x 362 x 64.8

Net Weight (KG) 7.8 Kg

## Environmental

Operating temperature(°C) 0~50°C

Storage temperature(°C) -20~60°C

Storage humidity 10 to 90% @ 40°C, non- condensing

Certification CE, FCC CLASS A, CB, UL

## Ordering Information

AR-PA821(P)FL

21.5" FHD Fanless HMI barebone with Intel N2930 CPU, 4GB DDR3L RAM, Resistive touch screen / Projected Capacitive touch screen, 9~36V DC input with adapter Aluminum chassis

## Dimension

AR-PA821(P)FL

