

AR-PA821FL-E3845/N2930

Features

- 15"/17"/21" Industrial Compact Size Panel PC
- Flat front panel touch screen
- Fanless design
- Intel Bay Trail N2930(1.83GHz) CPU built-in/E3845(1.91GHz) for option
- Onboard 2GB DDR3L-1600MHz / 4GB(option)
- 9~36VDC wide-ranging power input
- IP65 compliant front panel
- Optional projected capacitive touchscreen support 7H anti-scratch surface



Specification

| | |
|--------------------------------|---|
| Model Name | AR-PA821(P)FL-E3845 / N2930 |
| System | |
| CPU | Onboard Intel Bay Trail N2930(1.83GHz) Processor / E3845(1.91GHz) for option |
| System Chipset | Intel Bay Trail SoC |
| System Memory | Onboard 2GB DDR3L-1600MHz / 4GB(option) |
| Display | |
| Display Type | 21.5" |
| Max. Resolution | 1920 x 1080 |
| Max. Color | 16.7 M |
| Luminance (cd/m ²) | 250 |
| Contrast Ratio | 3000 : 1 |
| View angle(H°/V°) | H:178° / V:178° |
| Backlight Lifetime | 30,000 hrs |
| Touch screen | |
| Type | Resistive Touch Windows / Projected Capacitive Touch(For P Model) |
| Interface | USB |
| Light Transmission | Resistive Touch Windows: 80% / Projected Capacitive Touch: 90% |
| I/O Port | |
| 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 |
| Storage | |
| HDD | 1 x 2.5" SATA HDD bay for SATA HDD (Easy Accessible) |
| Movable device | 1 x SD card slot, up to 32GB |
| Software | |
| 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 / E3845 CPU, 2GB DDR3 RAM, Resistive touch screen / Projected Capacitive touch screen, 9~36V DC input with adapter Aluminum chassis

Dimension

AR-PA821(P)FL

