

# AR-PA8XXFL-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-PA815(P)FL-E3845 / N2930                                                                                                                                                                                                                                                                                                                    | AR-PA817(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       | 15" color TFT LCD                                                                                                                                                                                                                                                                                                                              | 17"                         |
| Max. Resolution    | 1024 x 768                                                                                                                                                                                                                                                                                                                                     | 1280 x 1024                 |
| Max. Color         | 262 K                                                                                                                                                                                                                                                                                                                                          | 16.2 M                      |
| Luminance (cd/m²)  | 350                                                                                                                                                                                                                                                                                                                                            | 350                         |
| Contrast Ratio     | 800 : 1                                                                                                                                                                                                                                                                                                                                        | 1000 : 1                    |
| View angle(H°/V°)  | H:160° / V:145°                                                                                                                                                                                                                                                                                                                                | H:160° / V:170°             |
| Backlight Lifetime | 50,000 hrs                                                                                                                                                                                                                                                                                                                                     | 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             | (Only for AR-PA815(P)FL, AR-PA817(P)FL)<br>2 x RS-232 DB-9 + 1 x mini PCIe slot via TB-528C2ME1<br>2 x CAN bus via TB-528CAN2<br>2 x USB 2.0 type A Via TB-528U2<br>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<br>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:17.8W Max:20.3W / 18.1W(P)

## 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) 410 x 310 x 54.7 412 x 277.5 x 60.4

Net Weight (KG) 4.4 Kg 4.8 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

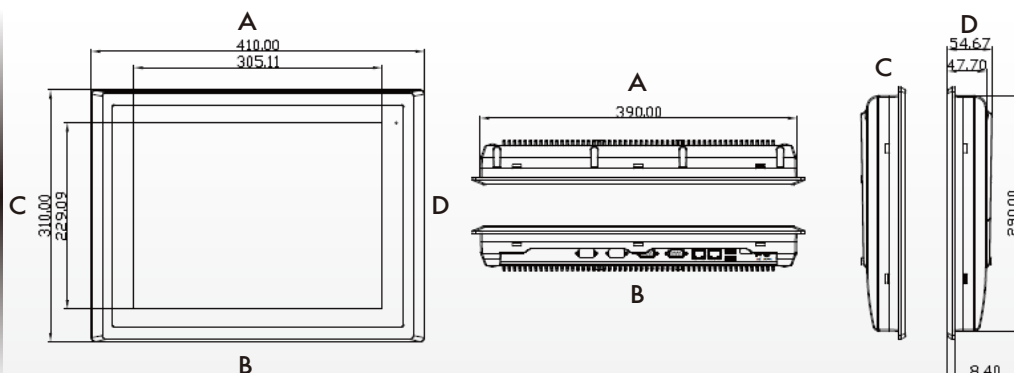
## Ordering Information

AR-PA815(P)FL 15.6" WXGA 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

AR-PA817(P)FL 17" SXGA 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-PA815(P)FL



### AR-PA817(P)FL

