

## AFL3-12A-AL

Intel® Celeron® J3455 (quad core , 1.5GHz up to 2.3 GHz)



## Features

- » 12.1" light industrial interactive panel PC
- » 9 V ~ 30 V wide range DC input with lockable DC jack
- » Selectable AT/ATX power mode
- » Built-in speakers
- » Support PoE PD IEEE803.2 af/at/bt
- » IP64 compliant front panel
- » Touch screen with anti-UV / anti-glare coating

## Specifications

| System                      |                                                          |
|-----------------------------|----------------------------------------------------------|
| Cooling method / System Fan | Fanless                                                  |
| CPU                         | Intel® Celeron® J3455 (quad core , 1.5GHz up to 2.3 GHz) |
| Storage                     | 1 x 2.5" SATA 3Gb/s HDD bay                              |
|                             | 1 x M.2 B+M key PCIe 2242 (USB/PCIe/SATA signal)         |
| Communication               |                                                          |
| Bluetooth                   | Bluetooth V4.1                                           |
| Wireless                    | IEEE 802.11a/b/g/n/ac                                    |
| I/O Interface               |                                                          |
| Ethernet                    | 2 x PCIe GbE by Intel® i211 controller                   |
| Audio                       | AMP 2W + 2W (internal speaker)                           |
| Audio Codec                 | ALC269                                                   |
| RAM                         | one 204-pin 1866MHz DDR3L DIMMs support up to 8GB        |
| Power                       |                                                          |
| Power Requirement           | 9~30V , 6.67A~5A                                         |
| Environment                 |                                                          |
| Operating Temperature       | -20°C ~ 50°C                                             |
| Humidity                    | 10% to 95% (non-condensing)                              |
| Storage Temperature         | -20°C ~ 60°C                                             |
| Weight                      |                                                          |
| Weight                      | 1.92kg/3.95kg                                            |
| LCD                         |                                                          |
| Size                        | 12.1"                                                    |
| Resolution                  | 1024 x 768 (4:3)                                         |
| Brightness (cd/m2)          | 500                                                      |
| Contrast Ratio              | 700:1                                                    |
| LCD Color                   | 16.2M                                                    |
| Pixel Pitch (mm)            | 0.240 (H) x 0.240 (V)                                    |
| Viewing Angle (H-V)         | 160° / 160°                                              |
| Backlight MTBF              | 50000 (LED backlight)                                    |
| Touch                       |                                                          |
| Touch Screen                | Projected capacitive type with USB interface (anti-UV)   |
| Touch Controller            | EETI EXC3146                                             |

| Other Features |                                            |
|----------------|--------------------------------------------|
| Camera         | 2-megapixel with low light function        |
| Microphone     | digital microphone                         |
| I/O Interface  |                                            |
| I/O Interface  | 1 x AT/ATX Switch                          |
|                | 1 x Clear CMOS                             |
|                | 1 x Line out                               |
|                | 1 x RS-232 (RS-232 by DP9 (RI/5V , 1A))    |
|                | 2 x USB 2.0                                |
|                | 2 x USB 3.2 Gen1x1                         |
|                | 1 x HDMI™ (output)                         |
|                | 2 x LAN (GbE)                              |
|                | 1 x Power Switch                           |
|                | 1 x RS-422/485 (RS-232/422/485 by RJ45)    |
|                | 1 x Reset Button                           |
|                | 1 x Power In (9 V ~ 30 V lockable DC jack) |
| OS Support     |                                            |
| OS Support     | Microsoft Windows 10, Linux                |

## Ordering Information

|                            |                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AFL3-PD-BT01-KIT01-R10     | PoE PD IEEE802.3 af/at/bt module kit , only for AFL3-xxx-AL optional (W10A/12A/W15A) , R10                                                                                                            |
| AFL3-12A-AL-J2/P/PC/4G-R10 | 12.1"500 cd/m² 1024x768 fanless Panel PC with Intel® Celeron® Processor J3455 (10W) on-board Processor, POE option, 1*4GB DDR3L , 802.11a/b/g/n/ac WiFi module, PCAP touch, 2M camera, microphone,R10 |

## Packing List

|                                           |                            |
|-------------------------------------------|----------------------------|
| 4 x Round head machine screw              | 4 x Pan head machine screw |
| 1 x Power cord                            | 1 x Power adapter          |
| 1 x RJ-45 to DB-9 COM port transfer cable |                            |