

# AFL3-12A-BT

Intel® Celeron® J1900 (Quad Core, 2.0 GHz)



## Features

- » W10"~12" 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
- » One mSATA slot
- » IP64 compliant front panel
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery (suggested with over 4GB storage capacity)

## Specifications

|                        |   |
|------------------------|---|
| System                 |   |
| CPU                    | Intel® Celeron® J1900 (quad core, 2.0 GHz)  |
| Communication          |   |
| Wi-Fi                  | IEEE 802.11a/b/g/n/ac   |
| I/O Interface          |   |
| RAM                    | One 204-pin 2 GB 1333MHz single-channel, 2GB DDR3L SDRAM preinstalled (system max. 8GB) |
| I/O Ports and Switches | 1 x RS-232 COM port (RJ-45 connector)   |
|                        | 1 x RS-232/422/485 COM port (DB-9 connector)(RI/5V/12V)                                 |
|                        | 2 x USB3.2 Gen1 (5Gb/s)   |
|                        | 2 x USB 2.0   |
|                        | 2 x RJ-45 for GbE LAN   |
|                        | 1 x Power switch  |
|                        | 1 x Audio port (line-out)   |
| Power                  |   |
| Power Requirement      | 9~30 VDC  |
| Environment            |   |
| Operating Temperature  | -20°C~50°C  |
| Storage Temperature    | -20°C~60°C  |
| Storage                |   |
| Storage                | mSATA   |
|                        | 2.5" SATA 3Gb/s HDD bay   |
| Dimensions             |   |
| Dimensions             | 303 x 243 x 44  |
| Weight                 |   |
| Weight                 | 1.92Kg/3.95Kg   |
| LCD                    |   |
| Size                   | 12.1"   |
| Resolution             | 1024 x 768  |
| 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°/140°  |
| Backlight MTBF        | 50000 (LED backlight panel)                              |
| <b>Touch</b>          |  |
| Touch Screen          | 5-wire resistive touch window/ projected capacitive type |
| Touch Controller      | PenMount DMC9000/ EETI EXC3146                           |
| <b>Other Features</b> |  |
| Camera                | 2-megapixel with low light function                      |
| Microphone            | digital microphone                                       |
| <b>I/O Interface</b>  |  |
| I/O Interface         | 1 x RS-232 (COM port (RJ-45 connector))                  |
|                       | 2 x USB 2.0  |
|                       | 2 x USB 3.2 Gen1x1                                       |
|                       | 1 x Audio ((line-out))                                   |
|                       | 2 x LAN (RJ-45 for GbE LAN)                              |
|                       | 1 x DC Input Jack (9-30V lockable power jack)            |
|                       | 1 x Reset Button   |
|                       | 1 x Power Switch   |
|                       | 1 x AT/ATX switch  |
|                       | 1 x RS-422/485 (COM port (DB-9 connector)(RI/5V/12V))    |

## Ordering Information

|                          |   |
|--------------------------|---|
| AFL3-12A-BT-J1/R/4G-R16  | 12.1"500 cd/m <sup>2</sup> XGA fanless panel PC with Intel® Celeron® J1900 quad core 2 GHz, 802.11a/b/g/n/ac wireless module, resistive touch screen, 4GB DDR3L RAM , with AG, R16            |
| AFL3-12A-BT-J1/R/2G-R16  | 12.1"500 cd/m <sup>2</sup> XGA fanless panel PC with Intel® Celeron® J1900 quad core 2 GHz, 802.11a/b/g/n/ac wireless module, resistive touch screen, 2GB DDR3L RAM , with AG, R16            |
| AFL3-12A-BT-J1/PC/4G-R16 | 12.1"500 cd/m <sup>2</sup> XGA fanless panel PC with Intel® Celeron® J1900 quad core 2 GHz, 802.11a/b/g/n/ac wireless module, projected capacitive touch screen, 4GB DDR3L RAM , with AG, R16 |
| AFL3-12A-BT-J1/PC/2G-R16 | 12.1"500 cd/m <sup>2</sup> XGA fanless panel PC with Intel® Celeron® J1900 quad core 2 GHz, 802.11a/b/g/n/ac wireless module, projected capacitive touch screen, 2GB DDR3L RAM , with AG, R16 |

## Packing List

|                    |                                   |
|--------------------|-----------------------------------|
| 10 x Screw Pack M2 | 1 x Power Adpater                 |
| 1 x Touch Pen      | 1 x RJ45 to RS-232 Transfer Cable |