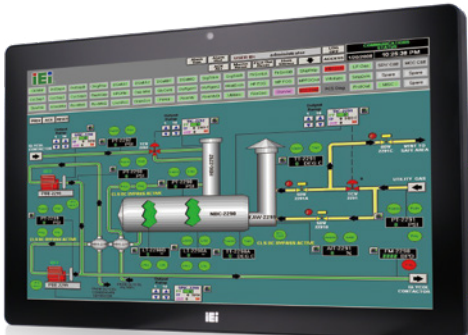


**AFL3-W19C-ULT3**

Intel® Core™ i5 and Celeron® ULT Processor

**AFL3-W19A-AL**

Intel® Celeron® / Atom™ Apollo Lake Processor

**NEW****Features**

- 18.5" light industrial interactive panel PC
- Wide range DC power input
- 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**

| Model                 |                                                             | AFL3-W19C-ULT3                                                                      | AFL3-W19A-AL                                                                                |
|-----------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| LCD                   | Size                                                        | 18.5"                                                                               | 18.5"                                                                                       |
|                       | Resolution                                                  | 1366 x 768 (16:9)                                                                   | 1366 x 768 (16:9)                                                                           |
|                       | Brightness (cd/m²)                                          | 250                                                                                 | 250                                                                                         |
|                       | Contrast Ratio                                              | 1000:1                                                                              | 1000:1                                                                                      |
|                       | LCD Color                                                   | 16.7M                                                                               | 262K                                                                                        |
|                       | Pixel Pitch (mm)                                            | 0.240 (H) x 0.240 (V)                                                               | 0.240 (H) x 0.240 (V)                                                                       |
|                       | Viewing Angle (H-V)                                         | 170°/160°                                                                           | 170°/160°                                                                                   |
|                       | Backlight MTBF(hrs)                                         | 30,000 (LED backlight panel)                                                        | 30,000 (LED backlight panel)                                                                |
| Touch                 | Touch Screen                                                | Projected capacitive with USB interface (anti-UV / anti-glare coating)              |                                                                                             |
|                       | Touch Controller                                            | EETI EXC3180                                                                        | EETI EXC3188                                                                                |
| Motherboard           | CPU                                                         | Intel® Core™ i5 and Celeron® ULT Processor                                          | Intel® Celeron® J3455 (quad core, 1.5GHz up to 2.3 GHz)                                     |
|                       | RAM                                                         | Two 260-pin 2133/1867 MHz dual-channel DDR4 SO-DIMMs (system max. 32 GB)            | One 204-pin 1600/1333 MHz single-channel DDR3L SO-DIMM, 4GB pre-installed (system max. 8GB) |
|                       | Ethernet                                                    | 2 x Intel® I211-AT PCIe GbE controller                                              | 2 x PCIe GbE by Intel® i211 controller                                                      |
|                       | Audio Codec                                                 | ALC892                                                                              | ALC269                                                                                      |
| Storage               | 1 x mSATA (E-Window)                                        |                                                                                     | 1 x mSATA (E-Window)                                                                        |
|                       | 1 x 2.5" SATA 3Gb/s HDD bay                                 |                                                                                     | 1 x 2.5" SATA 3Gb/s HDD bay                                                                 |
| I/O Ports & Switch    | 1 x RS-232 by DB-9 (RI/5V/12V)                              |                                                                                     | 1 x RS-232/422/485 by RJ-45                                                                 |
|                       | 1 x RS-232/422/485 by DB-9 (RI/5V/12V)                      |                                                                                     | 1 x RS-232 by RJ-45                                                                         |
| E-Window Expansion    | 2 x GbE LAN                                                 |                                                                                     | 2 x GbE LAN                                                                                 |
|                       | 4 x USB 3.1 Gen 1 (5Gb/s)                                   |                                                                                     | 2 x USB 3.1 Gen 1 (5Gb/s)                                                                   |
|                       | 1 x HDMI output                                             |                                                                                     | 2 x USB 2.0                                                                                 |
|                       | 1 x Power switch                                            |                                                                                     | 1 x HDMI output                                                                             |
|                       | 1 x Reset button                                            |                                                                                     | 1 x 12V ~ 34V DC Jack                                                                       |
|                       | 1 x AT/ATX switch                                           |                                                                                     | 1 x Power switch                                                                            |
|                       | 1 x 9V ~ 30V lockable power jack                            |                                                                                     | 1 x AT/ATX switch                                                                           |
|                       |                                                             |                                                                                     | 1 x Line out                                                                                |
|                       | Yes, optional (full-size mini-PCIe slot with PCIe/SATA/USB) |                                                                                     |                                                                                             |
|                       | AMP 3W + 3W (internal speaker)                              |                                                                                     |                                                                                             |
| Camera and Microphone |                                                             | 2-megapixel with low light function, digital microphone                             | 2-megapixel with low light function, digital microphone                                     |
| Wireless & Bluetooth  |                                                             | IEEE 802.11 a/b/g/n/ac, Bluetooth V4.1 M.2 slot A+E key 2230 slot (PCIe/USB signal) |                                                                                             |
| OSD Function          |                                                             | Software OSD                                                                        |                                                                                             |
| Physical              | Front Panel Construction                                    | PC + ABS Plastic                                                                    | PC + ABS Plastic                                                                            |
|                       | Mounting                                                    | Panel, Wall, Stand and Arm<br>VESA 75mm x 75mm / 100mm x 100mm                      | Panel, Wall, Stand and Arm VESA 100mm x 100mm                                               |
|                       | Color                                                       | Black C                                                                             | Black C                                                                                     |
|                       | Dimensions (W x H x D) (mm)                                 | 470 x 290 x 70                                                                      | 470 x 280 x 60                                                                              |
|                       | Cut-out Dimensions (W x H) (mm)                             | 443 x 261                                                                           | 418 x 230                                                                                   |
|                       | Net/Gross Weight (kgs)                                      | 7.3/10                                                                              | 6.3/9                                                                                       |
| Environment           | Operating Temperature (Ambient with air flow)               | -20°C ~ 50°C                                                                        | -15°C ~ 50°C                                                                                |
|                       | Storage Temperature                                         | -20°C ~ 60°C                                                                        |                                                                                             |
|                       | Humidity                                                    | 10% to 95% (non-condensing)                                                         |                                                                                             |
|                       | IP Level                                                    | IP 64 compliant front panel                                                         |                                                                                             |
|                       | Safety & EMC                                                | CE / FCC                                                                            |                                                                                             |
|                       | Thermal Solution                                            | Fanless                                                                             |                                                                                             |
| Power                 | Power Requirement                                           | 9V ~ 30V DC                                                                         | 12V ~ 34V DC                                                                                |
|                       | Power Consumption                                           | 12V@7.1A (Intel® Core™ i5-6300U CPU with 4GB DDR4 2133 MHz DDR4 memory)             | 12V@3.2A (Intel® Celeron J3455 CPU with 4GB DDR3L 1866 MHz DDR3L memory)                    |

## Ordering Information

| Part No.                    | Description                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AFL3-W19C-ULT3-C/PC/4G-R10  | Wide 18.5" 250 cd/m <sup>2</sup> 1366 x 768 Panel PC with withIntel® 14nm 6th Generation Mobile Celeron® 3955U (15W) on-board Processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac WiFi module, PCAP touch, 2 M camera, microphone, R10 |
| AFL3-W19C-ULT3-i5/PC/4G-R10 | Wide 18.5" 250 cd/m <sup>2</sup> 1366 x 768 Panel PC with Intel® 14nm 6th Generation Mobile Core™ i5-6300U (15W) on-board Processor (ULT), 1*4GB DDR4 RAM, 802.11a/b/g/n/ac WiFi module, PCAP touch, 2 M camera, microphone, R10     |
| AFL3-W19A-AL-J2/PC/4G-R10   | Wide 18.5" 250 cd/m <sup>2</sup> 1366 x 768 Panel PC with with Intel® Celeron® Processor J3455 (10W) on-board Processor (Apollo lake), 1*4GB DDR3L RAM, 802.11a/b/g/n/ac WiFi module, PCAP touch, 2 M camera, microphone, R10        |

## Options

| Item                                                         | AFL3-W19C-ULT3                                          | AFL3-W19A-AL              |
|--------------------------------------------------------------|---------------------------------------------------------|---------------------------|
| Panel Mounting Kit                                           | AFL3PK-W19C-R10                                         |                           |
| Wall Mounting Kit                                            | AFLWK-19B                                               |                           |
| Arm                                                          | ARM-11-RS/ARM-31-RS                                     |                           |
| Stand                                                        | STAND-A21-R10/ STAND-210-R11/STAND-A19-RS/STAND-C19-R10 |                           |
| Magnetic Card Reader                                         | AFL3P-W10MSR-U-R10                                      |                           |
| Barcode Scanner                                              | AFL3-2D-R11                                             |                           |
| RFID Reader<br>(13.56 MHz Mifare Type)<br>(For ATO assembly) | AFL3-MF-RFID-KIT02-R10                                  |                           |
| *OS: Win 7 Embedded (64-bit)                                 | AFL3-W15C-ULT3-WES7P64-R10                              | N/A                       |
| *OS: Win 10 IOT Enterprise (64-bit)                          | AFL3-W15C-ULT3-W10E64-V-R10                             | AFL3-W19A-AL-W10E64-E-R10 |

\*OS image with CD-ROM without storage

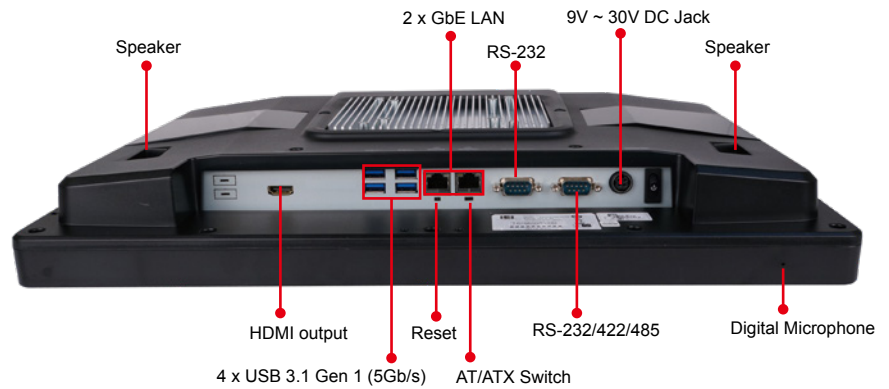
## E-Window (for ATO assembly)

| Part No.               | Description                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| E-MPCIE-LAN02-R10      | PCIe Mini card supports 1-port GbE with Realtek RTL8111E controller, with PMS 194C I/O bracket and 340 mm cable, R10          |
| E-MPCIE-CClink02-R10   | PCIe Mini card supports CC-Link Slave interface according to V2.0 and V1.1, with PMS black C I/O bracket and 300mm cable, R10 |
| E-MPCIE-PROFIBUS02-R10 | PCIe Mini card supports universal PROFI BUS DP card for Master or Slave, with PMS black C I/O bracket and 300mm cable, R10    |
| E-MPCIE-EtherCAT-R10   | PCIe Mini card supports universal for all Real-Time Ethernet protocols, with PMS black C I/O bracket and 280mm cable, R10     |
| E-MPCIE-3G-R10         | PCIe Mini card supports 3G WWAN, with PMS 130C I/O bracket, RF antenna 300mm cable and GSM antenna cable, R10                 |

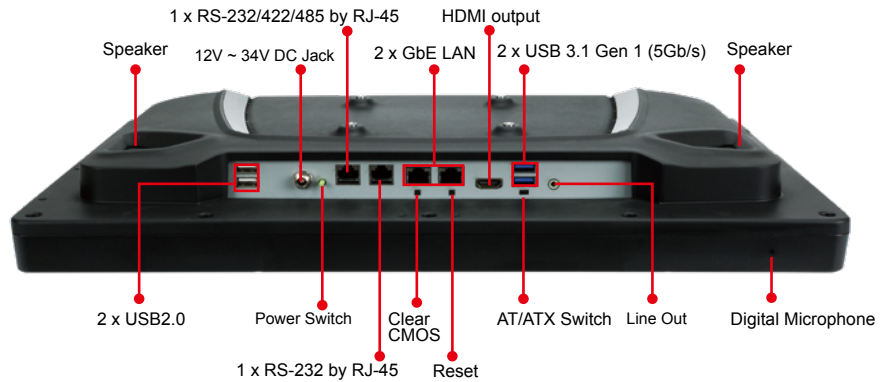
## Packing List

| Item                                  | Part No.                                                                   | Q'ty | Remark                                                                   |
|---------------------------------------|----------------------------------------------------------------------------|------|--------------------------------------------------------------------------|
| Round head machine screw              | 44403-040061-RS                                                            | 4    | M2*4 round head machine screw                                            |
| Pan head machine screw                | 44003-030052-RS                                                            | 4    | M4*6 pan head machine screw                                              |
| Power adapter                         | 63040-010096-100-RS (AFL3-W19C-ULT3)<br>63040-010060-120-RS (AFL3-W19A-AL) | 1    | 96W; Vin: 90V~264V AC; Vout: 12VDC<br>60W; Vin: 90V~264V AC; Vout: 12VDC |
| RJ-45 to DB-9 COM port transfer cable | 32005-004600-100-RS (AFL3-W19A-AL)                                         | 1    | 300mm, 26AWG,<br>(A) D-SUB 9 male, (B) RJ-45                             |

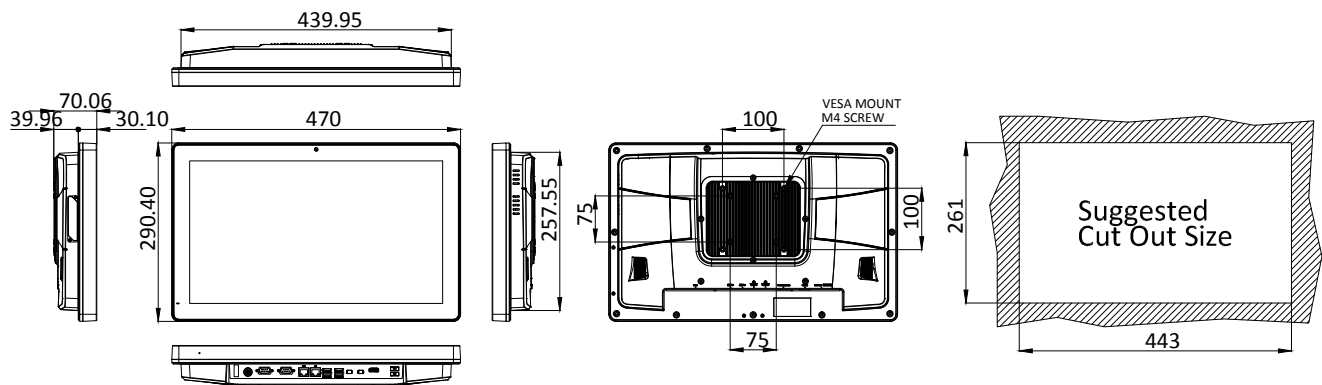
### AFL3-W19C-ULT3 Fully Integrated I/O



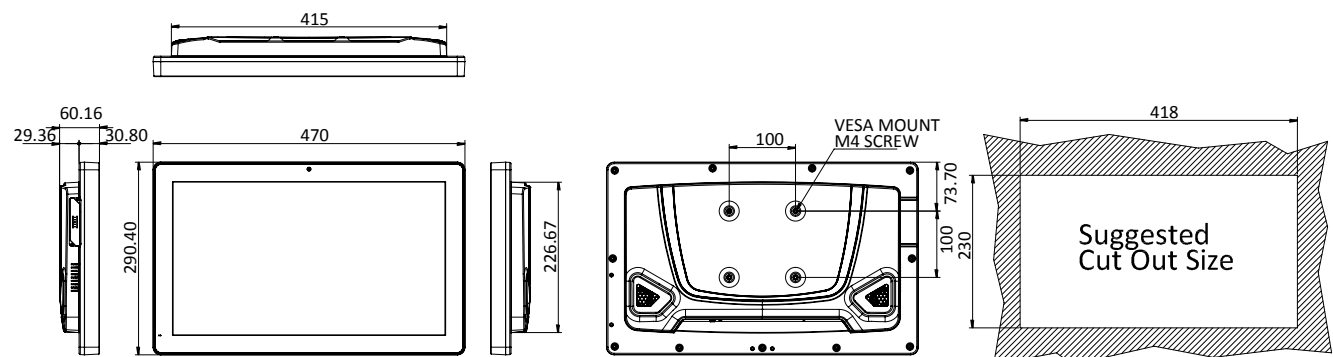
### AFL3-W19A-AL Fully Integrated I/O



### AFL3-W19C-ULT3 Dimensions (Unit: mm)



### AFL3-W19A-AL Dimensions (Unit: mm)



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