***Display System***

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Intel® Core™ i5 and Celeron® ULT Processor

AFL3-W22C-ULT3

***Features***

* W21.5 light industrial interactive panel PC
* 9 V ~ 30 V 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 alllows you to create rapid OS backup and recovery (suggested with over 4GB storage capacity)

# *Specifications*



|  |  |
| --- | --- |
| **Model** | **AFL3-W22C-ULT3** |
| LCD | Size | 21.5” |
| Resolution | 1920 x 1080 |
| Brightness (cd/m²) | 250 |
| Contrast Ratio | 1000:1 |
| LCD Color | 16.7M |
| Pixel Pitch (mm) | 248.25 (H) × 248.25 (V) |
| Viewing Angle (H-V) | 170º/160º |
| Backlight MTBF(hrs) | 30,000 (LED backlight panel) |
| Touch | Touch Screen | Projected capacitive with USB interface (nti-UV / anti-glare coating) |
| Touch Controller | EETI EXC3180 |
| Motherboard | CPU | Intel® Core™ i5 and Celeron® ULT Processor |
| RAM | Two 260-pin 2133/1867 MHz dual-channel DDR4 SO-DIMMs (system max. 32 GB) |
| Ethernet | 2 x Intel® I211-AT PCIe GbE controller |
| Audio Codec | ALC892 |
| Storage | 1 x mSATA (E-Window)1 x 2.5” SATA 3Gb/s HDD bay1 x M.2 M key PCIe (2280 or 22110) |
| I/O Ports & Switch | 1 x RS-232 by DB-9 (RI/5V/12V)1 x RS-232/422/485 by DB-9 (RI/5V/12V)2 x GbE LAN4 x USB 3.1 Gen 1 (5Gb/s) 1 x HDMI output1 x Power switch 1 x Reset button 1 x AT/ATX switch1 x 9-30V lockable power jack |
| E-Window Expansion | Yes, optional (full-size mini-PCIe slot with PCIe/SATA/USB) |
| Audio | AMP 3W + 3W (internal speaker) |
| Camera and 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 |
| Mounting | Panel, Wall, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm |
| Color | Black C |
| Dimensions (W x H x D) (mm) | 528 x 336 x 68 |
| Cut-out Dimensions (W x H) (mm) | 502 x 303 |
| Net/Gross Weight (kgs) | 8.27/11.27 |
| Environment | Operating Temperature (Ambient with air flow) | -20ºC ~ 50ºC |
| Storage Temperature | -20ºC ~ 60ºC |
| Humidity | 10% to 95% (non-condensing) |
| IP Level | IP 64 compliant front panel |
| Safety & EMC | CE / FCC |
| Thermal Solution | Fanless |
| Power | Power Requirement | 9 V ~ 30 VDC |
| Power Consumption | 12V@6A (Intel® Core™ i5-6300U CPU with 4GB DDR42133 MHz DDR4 memory) |

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***Ordering Information***

|  |  |
| --- | --- |
| Part No. | Description |
| AFL3-W22C-ULT3-C/PC/4G-R13 | Wide 22” 250 cd/m² 1920x1080 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, 2M camera, microphone,with AG, R13 |
| AFL3-W22C-ULT3-i5/PC/4G-R13 | Wide 22” 250 cd/m² 1920x1080 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, 2M camera, microphone , with AG, R13 |

***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 | 1 | 96W; Vin: 90V~264V AC; Vout: 12VDC |

***Options***

|  |  |
| --- | --- |
| Item | AFL3-W22C-ULT3 |
| 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 (13.56 MHz Mifare Type) (For ATO assembly) | AFL3-MF-RFID-KIT02-R10 |
| \*OS: Win 7 Embedded (64-bit) | AFL3-W15C-ULT3-WES7P64-R10 |
| \*OS: Win 10 IOT Enterprise (64-bit) | AFL3-W15C-ULT3-W10E64-V-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 |

Speaker

4 x USB 3.1 Gen 1 (5Gb/s)

2 x GbE LAN RS-232/422/485

# *AFL3-W22C-ULT3*

***Fully Integrated I/O***

Digital Microphone HDMI output

Reset

RS-232 9 V ~ 30 V DC Jack

AT/ATX Switch

***Display System***

30

8.82

501.5

100

75

68

30

238.50

477

***AFL3-W22C-ULT3 Dimensions (Unit: mm)***

527.69

498.50

20.50

269

299.69

335.69

75

8.99

75

100

302.69