

***Features***

* 12.1” 600nits 1024 x 768 flat-bezel LCD with LED backlight
* Supports projected capacitive touchscreen or 5-wire resistive type touchscreen
* Built-in two 3W speakers and microphone
* GbE LAN for high speed network applications
* One 204-pin DDR3 SO-DIMM slot (system max. 4GB)
* Wi-Fi 802.11b/g/n high speed wireless
* EM or Mifare RFID reader
* IP 64 compliant front panel
* Auto-dimming control
* Built-in 2 megapixels webcam with AF AE and AWB capabilities
* Wide range 9~36 VDC input

***Specifications***

Wireless 802.11b/g/n

EM/Mifare

Speakers Microphone Camera

Touchscreen -20ºC~45ºC IP64

Intel® Core™ i7/i5/i3 Processor

Intel® Atom™ D525 Dual Core Processor

AFL2-12A-D525

AFL2-12A-HM65

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| --- | --- | --- | --- | --- | --- |
|  | **Model** | **AFL2-12A-D525** | | **AFL2-12A-HM65** | |
| LCD  Specifications | Size | 12.1" | | | |
| Resolution | 1024 (W) x 768 (H) | | | |
| Brightness (cd/m²) | 600 | | | |
| Contrast Ratio | 700:1 | | | |
| LCD Color | 16.2 M | | | |
| Pixel Pitch (mm) | 0.240 (H) x 0.240 (V) | | | |
| Viewing Angle (H-V) | 160° / 140° | | | |
| Backlight MTBF | 50000 hrs (LED backlight) | | | |
| Touch | Touch Screen | 5-wire rsistive type with RS-232 interface / projected capacitive type with USB interface | | | |
| Touch Controller | PenMount DMC9000 / EETI EXC7200 & EXC5400 | | | |
| System | CPU | Intel® Atom™ D525 1.8GHz dual core processor | | 2nd Generation Intel® Core™ i7/ i5/ i3 and Celeron® processor | |
| Chipset | Intel® ICH8M | | Intel® HM65 | |
| RAM | Support one 204-pin DDR3 SO-DIMM slot (Max. 4GB) | | | |
| Ethernet | Realtek RTL8111E PCIe GbE controller supporting ASF 2.0 | | | |
| Audio Codec | Realtek ALC888 HD Audio codec | | | |
| Storage | CF Type II socket 2.5" SATA 3Gb/s SSD bay  mSATA | | 2.5" SATA 6Gb/s SSD bay | |
| Input / Output | 1 x RS-232 (DB-9)  1 x RS-232 (RJ-45)  1 x RS-422/485  (4-pin box header)  2 x GbE LAN (RJ-45)  4 x USB 2.0  1 x Mini USB 2.0 port on front panel 1 x Audio jack (line-out) | 1 x VGA port (DB-15)  1 x MicroSD card slot on front panel 1 x Power switch  1 x AT/ATX switch 1 x Reset button  1 x Clear CMOS button 1 x DC input jack | 1 x RS-232 (DB-9)  1 x RS-232 (RJ-45)   1. x RS-422/485 (4-pin box header) 2 x GbE LAN (RJ-45) 2. x USB 2.0   2 x USB 3.0  1 x Mini USB 2.0 port on front panel 1 x Audio jack (line-out) | 1 x HDMI port  1 x MicroSD card slot on front panel 1 x Power switch  1 x AT/ATX switch 1 x Reset button  1 x Clear CMOS button 1 x DC input jack |
| Other Features | Audio | AMP 3W + 3W (internal speaker) | | | |
| Camera | 2 M pixels with low light function | | | |
| RFID Reader | EM 125 KHz or Mifare 13.56 MHz card reader (optional) | | | |
| MSR Card Reader | MSR card reader (optional) | | | |
| OSD Function | LCD on/off, brightness up/down, volume up/down, Hot Key | | | |
| Ambient Light Sensor | Yes | | | |
| Infrared Remote Controller | Yes | | | |
| System Cooling | Fanless | | Smart fan | |
| Connectivity | Wireless | IEEE 802.11b/g/n module Telec certified | | | |
| Physical | Construction Front Panel | PC + ABS Plastic | | | |
| Mounting | Panel, Wall, Rack, Stand and Arm VESA 100 mm x 100 mm | | | |
| Color | Black | | | |
| Dimensions (WxHxD)(mm) | 310 x 265 x 52.6 | | | |
| Weight (N/G) | 3.2 kg / 5.5 kg | | 3.8 kg / 6.1 kg | |
| Environment | Operating Temperature (°C)  (Ambient with air flow) | -20°C ~ 50°C | | -20°C ~ 50°C with SSD | |
| Storage Temperature (°C) | -20°C ~ 60°C | | -20°C ~ 60°C | |
| Humidity | 10% to 95% (non-condensing) | | | |
| IP Level | IP 64 compliant front panel | | | |
| Safety&EMC | CE / FCC | | | |
| Power | Power Supply | 65W power adapter  Input: 100VAC~240VAC, 50/60 Hz  Output: 19VDC | | 90W power adapter  Input: 100VAC~240VAC, 50/60Hz  Output: 19VDC | |
| Power Requirement | 9 ~ 36 VDC | | | |
| Power Consumption | [19V@2.2A](mailto:19V@2.2A)  (Intel® Atom™ D525 CPU with 800MHz 2GB DDR3 memory ) | | [19V@2.68A](mailto:19V@2.68A)  (Intel® Core™ i5-2510E processor with 4GB DDR3 memory) | |

***w w w . i ei w or l d .c om***

*Ordering Information*

* **AFL2-12A-D525**

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| **Part No.** | | **Description** |
| **Resistive Touch Panel Screen** | **AFL2-12A-D525/R/2G-R14** | 12.1” 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 2M camera, microphone, 2 GB DDR3 RAM, Dual GbE LAN, R14 |
| **Projective Capacitive Touch Screen** | **AFL2-12A-D525/PC/2G-R14** | 12.1” 600cd/m² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, 2 GB DDR3 RAM, Dual GbE LAN, R14 |

* **AFL2-12A-HM65**

|  |  |  |
| --- | --- | --- |
| **Part No.** | | **Description** |
| **Resistive Touch Screen** | **AFL2-12A-HM65/R-R14** | 12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 2M camera, microphone, dual GbE LAN, R14 |
| **Projective Capacitive Touch Screen** | **AFL2-12A-HM65/PC-R14** | 12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, dual GbE LAN, R14 |
| **CPU Selection** | **CPU-MB-i7-2640M** | 2nd Generation Intel® Core™ i7 Processor [Mobile], PPGA-988, dual core 2.8GHz, 35W, iAMT |
| **CPU-MB-i5-2510E** | 2nd Generation Intel® Core™ i5 Processor [Mobile], PPGA-988, dual core 2.5GHz, 35W, iAMT |
| **CPU-MB-i3-2310M** | 2nd Generation Intel® Core™ i3 Processor [Mobile], PPGA-988, dual core 2.1GHz, 35W |
| **CPU-MB-CM-B810** | Intel® Celeron® Mobile Processor, PPGA-988, dual core 1.6GHz, 35 W |
| **CPU-MB-CM-B710** | Intel® Celeron® Mobile Processor, PPGA-988, single core 1.6GHz, 35 W |
| **Memory Selection** | **DDR3-SO-1333-1GB** | SO-DIMM DDR3 1333MHz 1GB |
| **DDR3-SO-1333-2GB** | SO-DIMM DDR3 1333MHz 2GB |
| **DDR3-SO-1333-4GB** | SO-DIMM DDR3 1333MHz 4GB |

*Options*

|  |  |  |
| --- | --- | --- |
| **Item** | **AFL2-12A-D525** | **AFL2-12A-HM65** |
| Panel Mounting Kit | AFLPK-15 | |
| Wall Mounting Kit | AFLWK-19B | |
| Rack Mounting Kit | AFL2RK-12 | |
| Arm | ARM-11-RS | |
| Stand | STAND-A12-RS/STAND-A19-RS/STAND-A21-R10/STAND-C12-R10 | |
| V-Stand | VSTAND-A12-R11 | |
| Magnetic Stripe Reader Kit | AFL2P-12AMSR-U-R10 | |
| EM RFID Reader | AFL2-EM-RFID-KIT01-R10 | |
| Mifare RFID Reader | AFL2-MF-RFID-KIT01-R11 | |
| OS: Win XPE (2GB CF Card) | AFL2CF-12-D525-XPE-2G-R14 | AFL2-12A-HM65-XPE-R14\* |
| OS: Win XPE (4GB CF Card) | AFL2CF-12-D525-XPE-4G-R14 | AFL2-12A-HM65-XPE-R14\* |
| OS: Win 7 Embedded (4GB CF Card) | AFL2CF-12-D525-WES7P-4G-R14 (for Projected Capacitive Touch) AFL2CF-12-D525-WES7E-4G-R14 (for Resistive Touch) | AFL2-12A-HM65-WES7P-R14\*  (for Projected Capacitive Touch)  AFL2-12A-HM65-WES7E-R14\* (for Resistive Touch) |

*Packing List*

\*OS image with CD-ROM or DVD-ROM

***Display System***

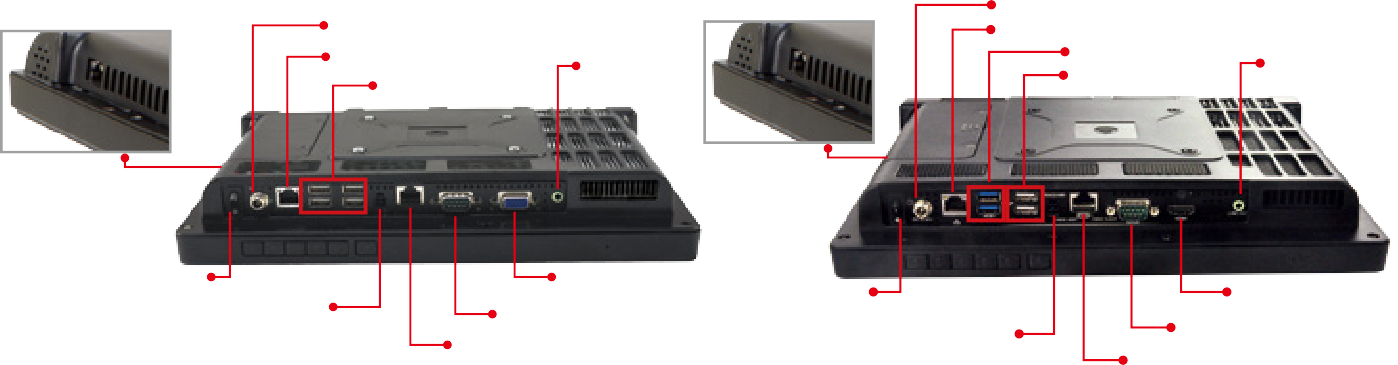
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| --- | --- | --- | --- |
| **Item** | **P/N** | **Q'ty** | **Description** |
| Utility CD |  | 1 | Drivers and user manual |
| One Key Recovery CD |  | 1 |  |
| Power Adapter | 63040-010065-200-RS (for AFL2-12A-D525)  63040-010090-120-RS (for AFL2-12A-HM65) | 1 | 65W ;19VDC output (Meet PSE) 90W ;19VDC output |
| Power Cord | 32702-000401-100-RS | 1 | 1500 mm, European Standard |
| Power Transfer Cord | 32702-000300-100-RS | 1 |  |
| M3 Screw Pack | 44013-030041-RS | 4 | M3\*4 for securing HDD |
| M4 Screw Pack | 44403-040061-RS | 4 | M4\*4 VESA screw |
| Touch Pen | 43125-0002C0-00-RS | 1 |  |
| RJ-45 to DB-9 COM Port Cable | 32005-000200-200-RS | 1 |  |
| IR Remote Controller | 7Z000-SLPCB005-RS | 1 |  |
| RS-422 Cable | 32205-002400-100-RS | 1 |  |
| Pen | 43125-0002C0-00-RS | 1 | For Resistive Touch |

*AFL2-12A-D525*

*Fully Integrated I/O*

*AFL2-12A-HM65 Fully*

*Integrated I/O*



DC Jack

DC Jack

LAN

LAN

Line-out

2 x USB 3.0

2 x USB 2.0

Line-out

4 x USB 2.0

LAN Port

LAN Port

Power Switch

VGA RS-232

RS-232

Power Switch

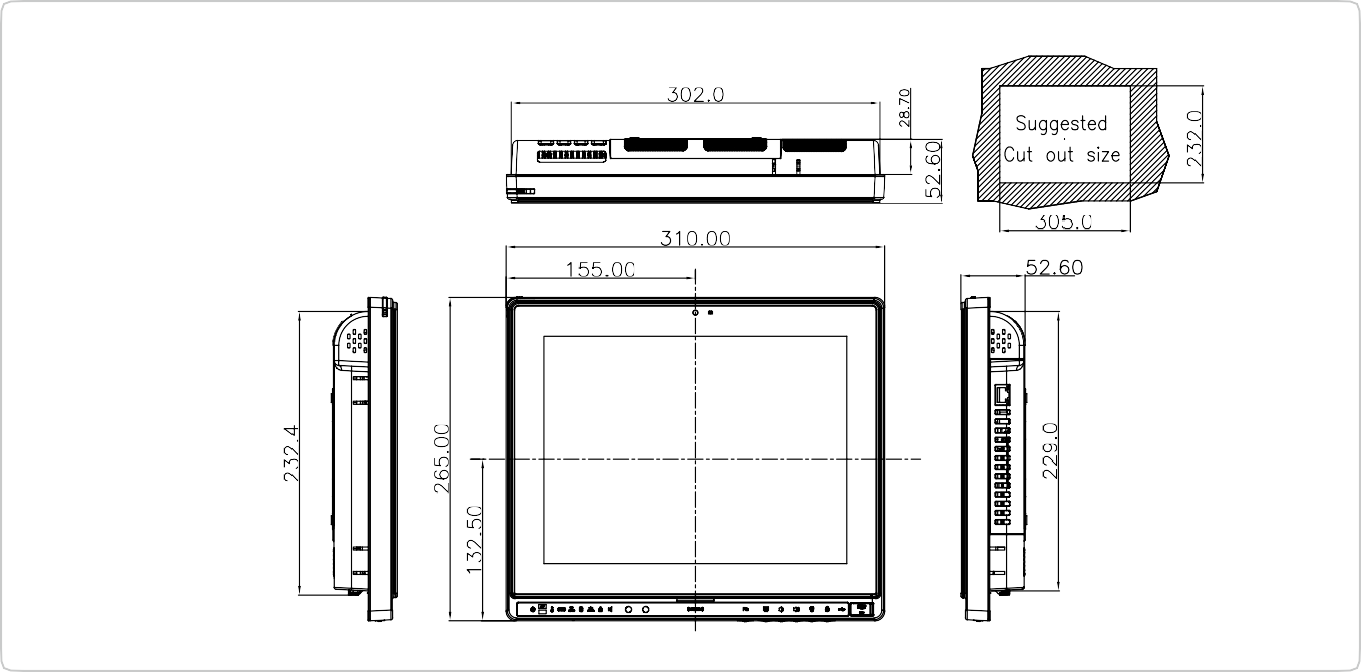
HDMI

RS-422/485

RS-422/485

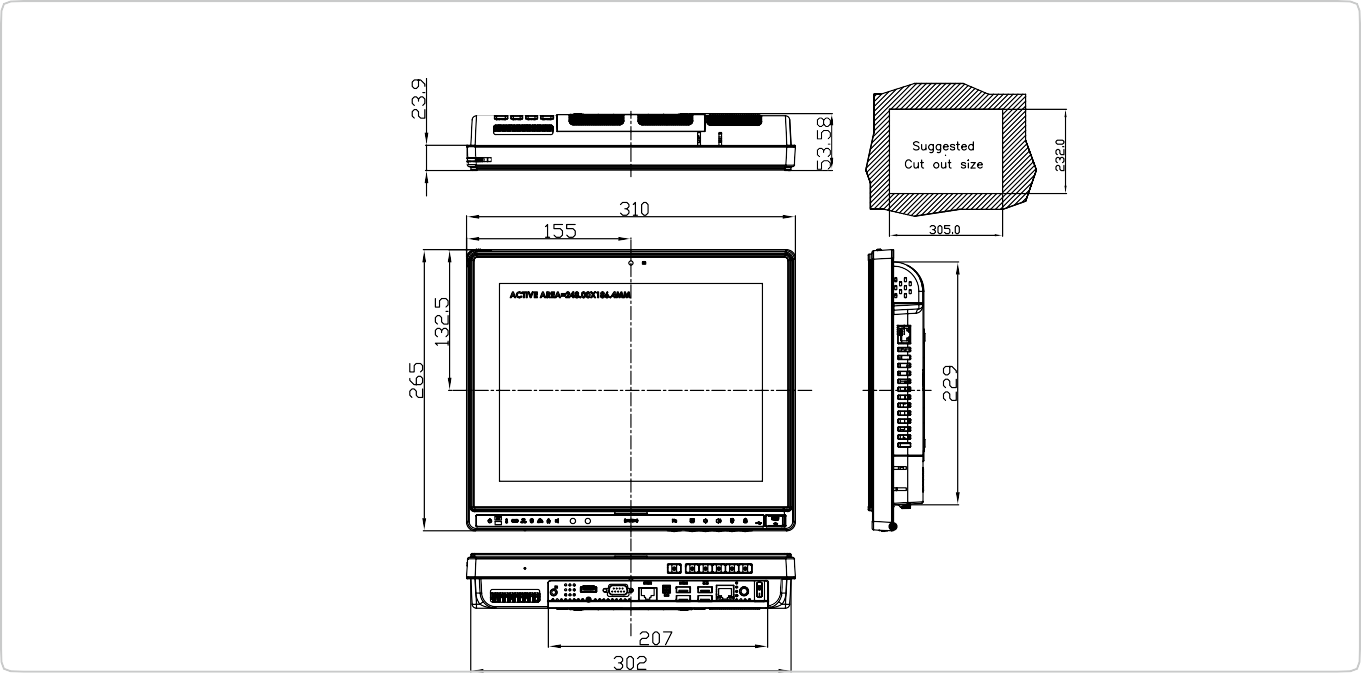
RS-232

RS-232



***AFL2-12A-D525 Dimensions***

***(Unit: mm)***



***AFL2-12A-HM65 Dimensions***

***(Unit: mm)***