***Display System***

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Intel® Core™ i7/i5/i3 Processor

AFL2-12A-HM65

***Features***

***Specifications***

* 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



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| **Model** | **AFL2-12A-HM65** |
| LCDSpecifications | 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 | 2nd Generation Intel® Core™ i7/ i5/ i3 and Celeron® processor |
| Chipset | Intel® HM65 |
| RAM | Support one 204-pin DDR3 SO-DIMM slot (Max. 4GB) |
| Ethernet | Realtek RTL8111E PCIe GbE controller supporting ASF 2.0 |
| Storage | 2.5" SATA 6Gb/s SSD bay |
| Input / Output | 1 x RS-232 (DB-9) 1 x HDMI port1. x RS-232 (RJ-45) 1 x MicroSD card slot on front panel 1 x RS-422/485 (4-pin box header) 1 x Power switch
2. x GbE LAN (RJ-45) 1 x AT/ATX switch

2 x USB 2.0 1 x Reset button2 x USB 3.1 Gen 1 (5Gb/s) 1 x Clear CMOS button 1 x Mini USB 2.0 port on front panel 1 x DC input jack1 x Audio jack (line-out) |
| 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 | 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) | 3.8 kg / 6.1 kg |
| Environment | Operating Temperature (°C) (Ambient with air flow) | -20°C ~ 50°C with SSD |
| Storage Temperature (°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 | 90W power adapterInput: 100VAC~240VAC, 50/60HzOutput: 19VDC |
| Power Requirement | 9 ~ 36 VDC |
| Power Consumption | 19V@2.68A(Intel® Core™ i5-2510E processor with 4GB DDR3 memory) |

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***Ordering Information***

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| Part No. | Description |
| Resistive Touch Screen | AFL2-12A-HM65/R-R15 | 12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 2M camera, microphone, dual GbE LAN, R15 |
| Projective Capacitive Touch Screen | AFL2-12A-HM65/PC-R15 | 12.1" 600cd/m² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, dual GbE LAN, R15 |
| 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***

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| Item | 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) | AFL2-12A-HM65-XPE-R15\* |
| OS: Win XPE (4GB CF Card) | AFL2-12A-HM65-XPE-R15\* |
| OS: Win 7 Embedded (4GB CF Card) | AFL2-12A-HM65-WES7P-R14\* (for Projected Capacitive Touch) AFL2-12A-HM65-WES7E-R14\* (for Resistive Touch) |

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

# *Packing List*

|  |  |  |  |
| --- | --- | --- | --- |
| Item | P/N | Q'ty | Remark |
| Utility CD |  | 1 | Drivers and user manual |
| One Key Recovery CD |  | 1 |  |
| Power Adapter | 63040-010090-120-RS | 1 | 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 |
| RJ-45 to DB-9 COM PortCable | 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 |

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

DC Jack

RS-422/485 RS-232

Line-out

# *AFL2-12A-HM65*

***Fully Integrated I/O***

LAN Port

Power Switch LAN

2 x USB 2.0 RS-232

HDMI

***Display System***

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

***(Unit: mm)***