***Display System***

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Intel® Atom™ N2800 Dual Core Processor

AFL2-10A-N28

***Features***

* Flat-bezel LCD with LED backlight
* Intel® Atom™ N2800 dual core 1.86 GHz processor
* One 1066 MHz 204-pin DDR3 SO-DIMM slot (system max. 4GB)

pre-installed with 2GB

* 5-wire resistive type touch screen supported
* Wi-Fi 802.11b/g/n high speed wireless
* EM or Mifare RFID reader
* Built-in 2M pixels webcam with AF, AE and AWB capabilities
* Built-in two 1.5W speakers and microphone
* IP 64 compliant front panel

# *Specifications*

|  |  |
| --- | --- |
| **Model** | **AFL2-10A-N28** |
| LCDSpecifications | Size | 10.4” |
| Resolution | 800 (W) x 600 (H) |
| Brightness (cd/m²) | 400 cd/m² |
| Contrast Ratio | 700:1 |
| LCD Color | 262K/16.2M |
| Pixel Pitch (mm) | 0.264 (H) x 0.264 (V) |
| Viewing Angle (H-V) | 160°(H) / 140°(V) |
| Backlight MTBF | 30000 hrs (LED backlight) |
| Touch | Touch Screen | 5-wire rsistive type with RS-232 interface |
| Touch Controller | PenMount DMC9000 |
| System | CPU | Intel® Atom™ N2800 dual core 1.86 GHz CPU |
| Chipset | Intel® NM10 |
| RAM | Support one 1066MHz 204-pin DDR3 SO-DIMM slot (max. 4GB) |
| Ethernet | Realtek RTL8111E PCIe GbE controller supporting ASF 2.0 |
| Audio Codec | Realtek ALC892 HD Audio codec |
| HDD | 2.5” SATA 2.0 HDD bay |
| Input / Output | 1 x Mini USB 2.0 port on front panel 1 x MicroSD card slot on front panel 1 x Power switch1 x AT/ATX switch 1 x Reset button1 x Clear CMOS button 1 x DC input jack |
| Other Features | Audio | AMP 1.5 W + 1.5 W |
| Camera and Microphone | 2M pixels with low light function, digital microphone |
| 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, hotkey |
| System Cooling | Fanless |
| Connectivity | Wireless | IEEE 802.11b/g/n Telec certified |
| Physical | Construction Front Panel | PC + ABS plastic front frame |
| Mounting | Wall, Rack, Stand, RACK Mounting and Arm VESA 75mm x 75mm |
| Color | Black |
| Dimensions (WxHxD) (mm) | 282.5 x 242.7 x 51 |
| Weight (N/G) | 2.98 kg / 4.5 kg |
| Environment | Operating Temperature (°C) (Ambient with air flow) | -20°C ~ 45°C |
| 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 | 60W power adapter, Input: 90VAC~264VAC, 50/60 Hz, Output: 12VDC |
| Power Requirement | 9 ~ 36 VDC |
| Power Consumption | 12V@2.75A (Intel® Atom™ N2800 CPU with 2GB DDR3 memory ) |

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***Ordering Information***

|  |  |
| --- | --- |
| **Part Number** | **Description** |
| AFL2-10A-N28/R/2G-R11 | 10.4" 400cd/m² SVGA fanless panel PC with Intel® Atom™ cedarview N2800 dual core 1.86GHz, 802.11b/g/n wireless module, resistive touch screen, 2M camera, microphone, 2GB DDR3 RAM, R11 |

***Options***

|  |  |
| --- | --- |
| **Item** | **AFL2-10A-N28** |
| Panel Mounting Kit | AFL2PK-10A |
| Wall Mounting Kit | AFLWK-12 |
| Rack Mounting Kit | AFL2RK-10A |
| Stand | STAND-C12-R10/STAND-A21-R10 |
| V-stand | VSTAND-A10-R11 |
| Magnetic Stripe Reader | AFL2P-12AMSR-U-R10 |
| EM RFID Reader | AFL2-EM-RFID-KIT01-R10 |
| Mifare RFID Reader | AFL2-MF-RFID-KIT01-R11 |
| OS: Win XPE (CD-ROM) | AFL2-W10A-CV-XPE-R11 |
| OS: Win 7 Embedded (DVD-ROM) | AFL2-W10A-CV-WES7E-R11 (for Resistive Touch) |

***Fully Integrated I/O***

***Packing List***

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **P/N** | **Q'ty** | **Description** |
| Utility CD |  | 1 | drivers and user manual |
| One Key Recovery CD |  | 1 |  |
| Power adapter | 63040-010060-130-RS | 1 | (Meet PSE) |
| Power cord | 32702-000200-100-RS | 1 | European standard,1830mm |
| Power transfer cord | 32702-000300-100-RS | 1 |  |

RJ-45 for RS-232 LAN

**Fn**

RJ-45 for

2 x USB 3.0 RS-422/485 Line-out RS-232

9-36V DC Jack

**Backlight On/Off Audio -**

**Audio + Brightness - Brightness +**

**RFID Enable/Disable Audio Mute**

**Camera Enable/Disable**

**Front Side USB Enable/Disable Power On / Off**

Power Switch AT/ATX CMOS Reset Display Port

2 x USB 2.0

Function Keys



***Display System***

***AFL2-10A Dimensions***

***(Unit: mm)***