**12.1” XGA AFOLUX Panel PC**

Intel® Atom™ N270 1.6GHz Processor

Intel® Atom™ N2600 1.6GHz Processor

AFL-12A-N26

AFL-12A-N270

# *Features*

* 12.1" TFT LED backlight LCD with resistive touch screen
* Fanless cooling system
* 9V~28V wide range DC power input (for Intel® N2600 platform)
* Selectable AT/ATX power mode through the switch inside the chassis
* One CompactFlash® slot
* IP 64 compliant front panel
* IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

# *Specifications*

Fanless

Speakers

Wireless 802.11b/g/n

|  |  |  |
| --- | --- | --- |
| **Model** | **AFL-12A-N270** | **AFL-12A-N26** |
| LCD Size | 12.1” |
| Max Resolution | 1024 x 768 |
| Brightness (cd/m²) | 500 |
| Contrast Ratio | 700 : 1 |
| LCD Color | 262K |
| Pixel Pitch (mm) | 0.240 (H) x 0.240 (V) |
| Viewing Angle (H-V) | 160° / 160° |
| Backlight MTBF | 50000 (LED Backlight) |
| SBC Model | AFLMB-945GSE-N270-R10 | AFLMB-CV-N2600-R10 |
| CPU | Intel® Atom™ processor N270 1.6GHz CPU | Intel® Atom™ N2600 dual core 1.6 GHz CPU |
| Chipset | Intel® 945GSE + ICH7M | Intel® NM10 |
| RAM | Supports one 400MHz or 533MHz DDR2SO-DIMM (Max. 2GB) | One 800 MHz 204-pin DDR3 SO-DIMM slot(Max. 2GB) pre-installed wiith 2GB |
| I/O Ports | 1. x RS-232 COM Port

1 x RS-232/422/485 COM Port1. x RJ-45 for Giga LAN 4 x USB 2.0

1 x Power Switch 1 x Reset Button 1 x External SATA 1 x Audio Port1 x Power Jack | 1 x 9-28V lockable DC Jack 1 x RJ-45 for RS-2321 x RS-232/422/4851. x VGA
2. x GbE LAN

4 x USB 2.01 x Power switch 1 x Reset button 1 x AT/ATX switch 1 x Line out |
| Storage | CF Type II | mSATA |
| Watchdog Timer | Software programmable supports 1~255 sec. system reset |
| Audio | AMP 1.5W + 1.5W (internal speaker) | AMP 2W + 2W (internal speaker) |
| Wireless Connection | 1 x Wireless LAN 802.11b/g/n Module(internal PCIe Mini card interface) | 1 x Wireless LAN 802.11b/g/n Module(internal PCIe Mini card interface) Telec certified |
| Drive Bay | 1 x 2.5” SATA HDD bay | 1 x 2.5” SATA HDD & 1 x mSATA SSD |
| Construction Front Panel | ABS + PC Plastic front frame |
| LED Function | 1 x Power on/off LED on front panel |
| Mounting | Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm |
| Front Panel Color | Gray 7539U |
| Dimensions (WxHxD) (mm) | 304 x 246 x 50 |
| Operation Temperature (°C) | 0°C ~40°C with SATA HDD-10°C ~50°C with CF Card or SATA interface 2.5” SSD HDD | -10°C~50°C |
| Storage Temperayure (°C) | -20°C ~ 60°C |
| N/G Weight | 1.8 Kg |
| IP Level | IP 64 compliant front panel |
| Safety & EMC | CE / FCC |
| Touch Screen | 5-wire resistive type (touch controller IC is on board) |
| Power Adapter | P/N: 63040-010060-130-RS60W Power Adapter (Meet PSE) Input: 90VAC~264VAC, 50/60HzOutput: 12VDC | P/N: 63040-010060-120-RS60W Power Adapter (Meet PSE) Input: 90VAC~264VAC, 50/60HzOutput: 12VDC |
| Power Requirement | 12VDC | 9-28V DC |
| Power Consumption | 32W | 32W |

***Display System***

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***Ordering Information***

|  |  |
| --- | --- |
| **Part Number** | **Description** |
| **AFL-12A-N270/R/1G-R24** | 12.1” 500 cd/m², XGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, capitalize touch screen, 1GB DDR2 533MHz, R24 |
| **AFL-12A-N26/R/2G-R11** | 12.1” 500cd/m², XGA fanless panel PC with Intel® Atom™ cedarview N2600 dual core 1.6GHz, 802.11b/g/n wireless module, touch screen, 2GB DDR3, R11 |

***ISMM Supported Functions***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Voltage** | **Fan** | **Smart Fan** | **Temperature** | **DIO** | **WDT** | **Cash Drawer** |
| **AFL-12A-N270** | V |  |  | V |  | V |  |
| **AFL-12A-N26** | V |  |  | V |  | V |  |

***Packing List***

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Part Number** | **Q’ty** | **Specification** |
| **Screw Pack** | 44013-030041-RS | 4 | M3; 5mm |
| **Power Adpater** | 63040-010060-120-RS63040-010060-130-RS | 1 | 90~264V AC; 12V DC; 60W (for N2600) (Meet PSE)90~264V AC; 12V DC; 60W (N270) (Meet PSE) |
| **Power Cord** | 32000-000002-RS | 1 | 1750mm; European Standard |
| **Utility CD** | 7B000-000087-RS | 1 |  |
| **Touch Pen** | 43125-0002C0-00-RS | 1 |  |
| **One Key Recovery CD** |  | 1 |  |
| **RJ45 to RS-232 Transfer Cable** | 32005-000200-200-RS | 1 | 300MM; RJ45 to RS-232 transfer cable |

***Options***

|  |  |  |
| --- | --- | --- |
| **Model** | **AFL-12A-N270** | **AFL-12A-N26** |
| Panel Mounting Kit | AFLPK-12 |
| Wall Mounting Kit | AFLWK-12 |
| Rack Mounting Kit | AFLRK-12 |
| Arm | ARM-11-RS / ARM-31-RS |
| Stand | STAND-A12-RS/STAND-100-RS | STAND-A12-RS / STAND-100-RS |
| VSTAND | VSTAND-A12 |
| 9~30VDC to 12VDCConverter Module | IDD-930160-KIT |
| OS: Win XPE(1 GB CF card) | AFLCF-07-N270-XPE-R24 | AFL-W07-N26-XPE-R11\* |
| OS: Win 7 Embedded(4 GB CF card or CD-ROM) | AFLCF-07-N270-WES7E-R24 | AFL-W07-N26-WES7E-R11\* |
| Magnetic Stripe Reader | AFLP-12AMSR-U |
| DC 12V Input UPS | AUPS-A10-R10 (7.4V 3800mAH) |
| DC 9~36V Input UPS | AUPS-A20-R10 (7.4V 3800mAH) |
| DC jack to terminal block powerconverter cable | 32002-005500-100-RS |

DC power input

2 x USB Audio

External SATA

Power switch

Standard VESA mounting

# *AFL-12A-N270*

***Fully Integrated I/O***

Reset Button

2 x USB

2 x LAN

1 x RS-232, 1 x RS-232/422/485

selectable COM port

# *AFL-12A-N26*

***Fully Integrated I/O***

Lockable DC Jack 2 x USB 2.0

RS-232/422/485

2 x LAN Port 2 x USB 2.0

Line Out Reset Button

AT/ATX Switch

Power Switch

VGA RS-232

***Dimensions (Unit: mm)***