**7" Wide Screen WVGA AFOLUX PPC**

AMD Geode™ LX 800 500 MHz Processor

Intel® Atom™ N270 1.6GHz Processor

Intel® Atom™ N2600 1.6GHz Processor

AFL-W07A-N26

AFL-07A-N270

AFL-07A-LX

***9V ~ 28V Wide DC Power Input***

The compact fanless AFL-W07A-N26 model with widescreen high- brightness panel is ideal for setup in a place where space and light is limited. This makes it an ideal choice for mobile and transportation PC applications.



**16:9**

**Wide Screen**

# *Features*

* 7” widescreen WVGA LED backlight TFT LCD with resistive touch screen
* 9V~28V wide range DC power input (for Intel® N2600 platform)
* Compact design with plastic housing
* Fanless cooling system
* Selectable AT/ATX power mode
* System memory up to 2 GB SDRAM
* Built-in 802.11b/g/n Wireless LAN
* Built-in speakers
* One compactFlash® slot
* IP 64 compliant front panel
* IEI One Key Recovery solution allows you to create rapid OS backup and recovery (suggest with over 4GB storage capacity)

# *Specifications*



Speakers



Wireless 802.11b/g/n



mSATA



Dual Display



IP64

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **AFL-07A-LX** | **AFL-07A-N270** | **AFL-W07A-N26** |
| **LCD Size** | 7” | | |
| **Max Resolution** | 800 x 480 | | |
| **Brightness (cd/m²)** | 500 | | |
| **Contrast Ratio** | 400:1 | | |
| **LCD Color** | 262K | | |
| **Pixel Pitch (mm)** | 0.0635 (H) x 0.1905 (V) | | |
| **Viewing Angle (H-V)** | 140º / 110º | | |
| **Backlight MTBF** | 50000 hrs (LED Backlight) | | |
| **SBC Model** | AFLMB-LX-800 | AFLMB-945GSE-N270-R10 | AFLMB-CV-N2600-R10 |
| **CPU** | AMD Geode™ LX 800 (500Mhz) | Intel® Atom™ N270 1.6GHz CPU | Intel® Atom™ N2600 dual core 1.6 GHz CPU |
| **Chipset** | AMD LX800 + AMD CS5536 | Intel® 945GSE + ICH7M | Intel® NM10 |
| **RAM** | Supports one 333MHz or 400MHz DDR SO-DIMM (1GB Max.) | Supports one 400MHz or 533MHz DDR2 SO-DIMM (2GB Max.) | One 800 MHz 204-pin DDR3 SO-DIMM slot (max. 2G) pre-installed wiith 2GB |
| **I/O Ports** | 1. x RS-232 COM Port   1 x RS-232/422/485 COM Port   1. x RJ-45 for 10/100Mbps LAN 2 x USB 2.0   1 x Power Switch 1 x Reset Button 1 x Power Jack  1 x Audio Jack (Line-out) | 1. x RS-232 COM Port   1 x RS-232/422/485 COM Port   1. x RJ-45 for GbE 2 x USB 2.0   1 x Power Switch 1 x Reset Button 1 x Power Jack  1 x External SATA  1 x Audio Jack (Line-out) | 1 x 9-28V Lockable DC Jack 1 x RJ45 for RS-232  1 x RS-232/422/485   1. x VGA 2. x GbE LAN   2 x USB 2.0  1 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 802.11 b/g Module (internal Mini PCI interface) | 1 x Wireless LAN 802.11b/g/n Module (internal PCIe Mini card interface) Telec certified | 1 x Wireless LAN 802.11b/g/n 2T2R Module (internal PCIe Mini card interface) Telec certified |
| **Construction Front Panel** | ABS + PC Plastic front frame | | |
| **LED Function** | 1 x LED on front panel for power on/off | | |
| **Mounting** | Panel, Wall, Rack, Stand or Arm mounting VESA 75mm x 75mm | | |
| **Front Panel Color** | Gray 7539U | | |
| **Dimensions (WxHxD) (mm)** | 226 x 140 x 41 | | |
| **Operation Temperature (°C)** | 0~50°C | -10°C ~50°C | -10°C~50°C |
| **Storage Temperayure (°C)** | -20°C ~ 60°C | | |
| **N/G Weight** | 0.6 Kg | | |
| **IP Level** | Front Frame IP64 | | |
| **Safety & EMC** | CE / FCC | | |
| **Touch Screen** | 4-wire Resistive Type (touch controller IC is on board) | | |
| **Power Adapter** | P/N: 63040-010036-111-RS  36W Power Adapter (Meet PSE) Input: 90VAC~264VAC, 50/60Hz  Output: 12VDC | P/N: 63040-010036-111-RS  36W Power Adapter (Meet PSE) Input: 90VAC~264VAC, 50/60Hz  Output: 12VDC | P/N: 63040-010036-121-RS  36W Power Adapter (Meet PSE) Input: 90VAC~264VAC, 50/60Hz  Output: 12VDC |
| **Power Requirement** | 12VDC | 12VDC | 9-28V DC |
| **Power Consumption** | 20W | 23W | 23W |

***Display System***

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

***Ordering Information***

|  |  |
| --- | --- |
| **Part Number** | **Description** |
| AFL-07A-LX/R/512-R23 | 7” 500 cd/m², WVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 512MB DDR RAM, R23 |
| AFL-07A-N270/R/1G-R24 | 7” 500 cd/m² WVGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, touch screen ,1GB DDR2 533, R24 |
| AFL-W07A-N26/R/2G-R11 | 7” 500cd/m², WVGA fanless panel PC with Intel® Atom™ cedarview N2600 dual core 1.6GHz, 802.11b/g/n wireless module, touch screen, 2GB DDR3, R11 |

***ISMM Support Functions***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Voltage** | **Fan** | **Smart Fan** | **Temperature** | **WDT** | **Cash Drawer** |
| AFL-07A-LX | V |  |  | V | V |  |
| AFL-07A-N270 | V |  |  | V | V |  |
| AFL-W07A-N26 | V |  |  | V | V |  |

***Packing List***

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Part Number** | **Q’ty** | **Specification** |
| Screw Pack | 44013-030041-RS | 4 | M3;5mm |
| Power Adpater | 63040-010036-111-RS (for AFL-07A-N270/AFL-07A-LX)  63040-010036-121-RS (for AFL-07A-N26) | 1 | 90~264V AC; 12V DC; 36W (Meet PSE) |
| Power Cord | 32000-000002-RS | 1 | 1750mm; European Standard  (EU or US, depending on the shipment country) |
| 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 D-SUB 9P transfer cable |

***Options***

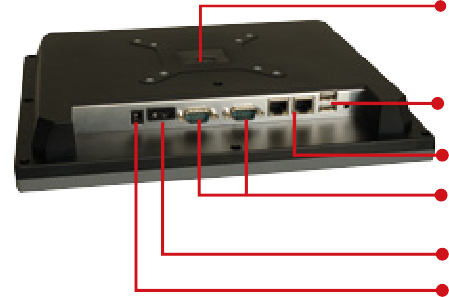
|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **AFL-07A-LX** | **AFL-07A-N270** | **AFL-W07A-N26** |
| Panel Mounting Kit | AFLPK-12 | | |
| Wall Mounting Kit | AFLWK-12 | | |
| Rack Mounting Kit | AFLRK-07 | | |
| Arm | ARM-11-RS / ARM-31-RS | | |
| Stand | STAND-100-RS | | |
| VSTAND | VSTAND-A07-R11 | | |
| 9~30VDC to 12VDC Converter Module | IDD-930160-KIT | | |
| OS: Win CE 5.0 (128 MB CF card) | AFLCF-07-LX-CE-R21 | -- | -- |
| OS: Win CE 6.0 (128 MB CF card) | AFLCF-07-LX-CE060-R21 | -- | -- |
| OS: Win XPE (1 GB CF card) | AFLCF-07-LX-XPE-R21 | 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-08AMSR-U | | |
| DC 12V Input UPS | AUPS-A10-R10 (7.4V 3800mAH) | | |
| DC 9~36V Input UPS | AUPS-A20-R10 (7.4V 3800mAH) | | |

\*OS image with CD-ROM

# *AFL-07A-LX*

***Fully Integrated I/O***

Standard VESA mounting

2 x USB

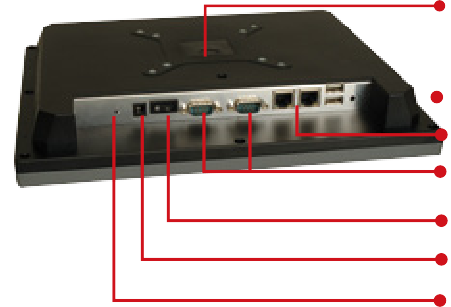
2 x LAN

1 x RS-232

1 x RS-232/422/485 selectable COM port 12VDC Power Jack or 18~30VDC Input

Power Switch

Standard VESA mounting



# *AFL-07A-N270*

***Fully Integrated I/O***

***AFL-W07A-N26***

***Fully Integrated I/O***

2 x USB

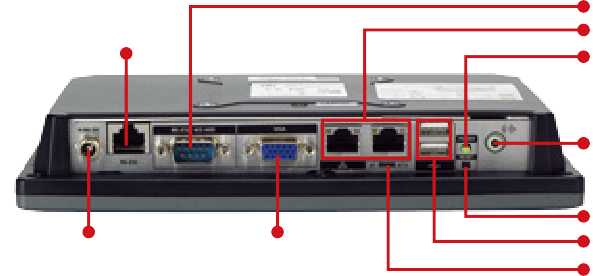
2 x LAN

1 x RS-232

1 x RS-232/422/485 selectable COM port Power Switch

12VDC Power Jack Audio (Line-out)

RS-232/422/485



RS-232

Lockable DC Jack

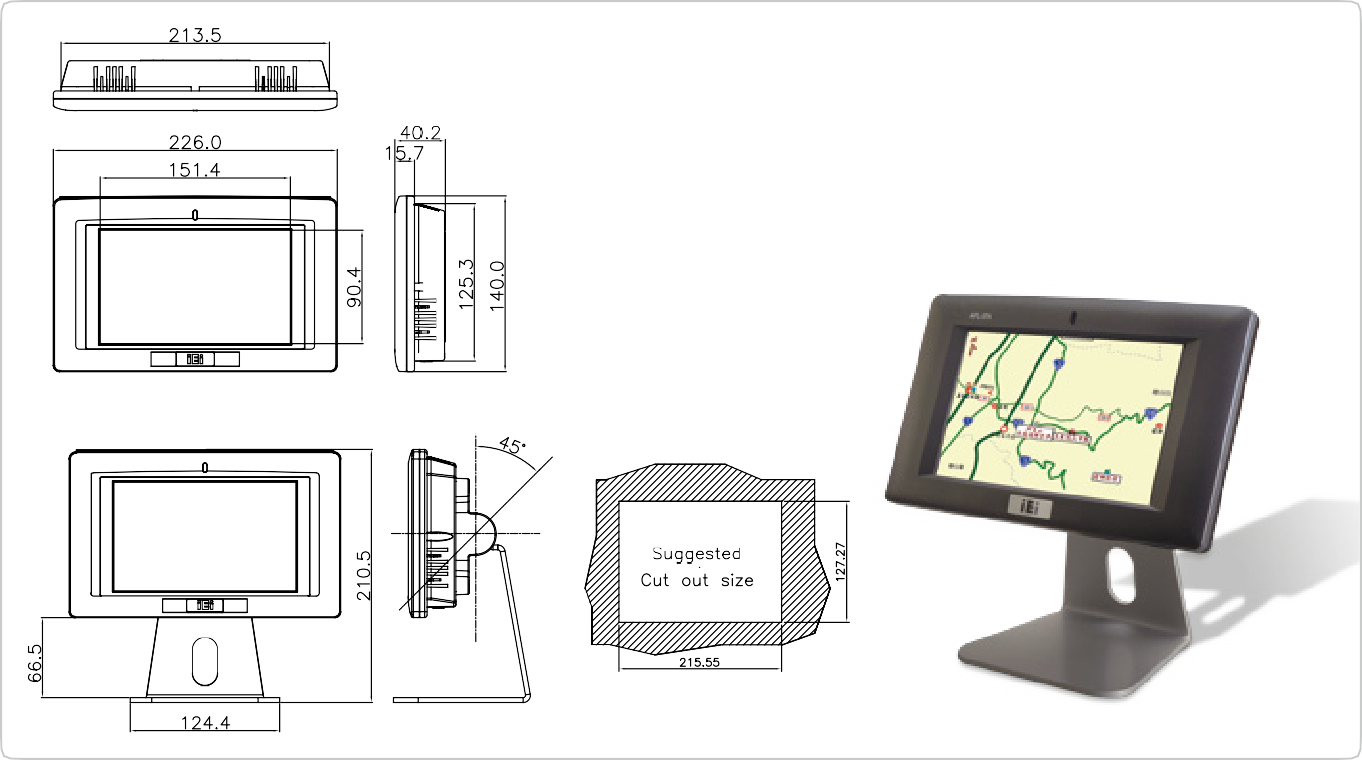
VGA

2 x LAN Port Power Switch

Line Out

Reset Button 2 x USB 2.0

AT/ATX Switch



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

***(Optional Stand Kit)***