**8.4” SVGA AFOLUX Panel PC**

AMD Geode™ LX 800 500 MHz Processor

Intel® Atom™ N270 1.6GHz Processor

Intel® Atom™ N2600 1.60 GHz Processor

AFL-08A-N26

AFL-08AH-N270

AFL-08AH-LX



# *Specifications*

***Features***

* 8.4” TFT LED Backlight LCD with resistive touch screen
* 9V~28V wide range DC power input (for Intel® N2600 platform)
* Fanless cooling system
* Selectable AT/ATX power mode
* System memory up to 2GB 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 over 4GB storage capacity)



Wireless 802.11b/g/n



Speakers



Fanless

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **AFL-08AH-LX** | **AFL-08AH-N270** | **AFL-08A-N26** |
| LCD Size | 8.4” | | |
| Max Resolution | 800 x 600 | | |
| Brightness (cd/m²) | 450 | | |
| Contrast Ratio | 600:1 | | |
| LCD Color | 262K | | |
| Pixel Pitch (mm) | 0.213 (H) x 0.213 (V) | | |
| Viewing Angle (H-V) | 160º / 140º | | |
| Backlight MTBF | 50000 hrs (LED Backlight) | | |
| SBC Model | AFLMB-LX-800 | AFLMB-945GSE-N270-R10 |  |
| CPU | AMD Geode™ LX 800 (500MHz) | Intel® Atom™ N270 1.6GHz CPU | Intel® Atom™ N2600 dual core 1.6 GHz CPU |
| Chipset | AMD LX 800 + AMD CS5536 | Intel® 945GSE + ICH7M | Intel® NM10 |
| RAM | Supports one 400MHz or 533MHz DDR SO-DIMM (Max.1GB) | Supports one 400MHz or 533MHz DDR2 SO-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 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 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 External SATA 1 x Audio Port  1 x Power Jack | 1 x 9-28V lockable DC Jack 1 x RJ-45 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) | 1 x Wireless LAN 802.11b/g/n Module (internal PCIe Mini card interface) Telec certified |
| 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 | | |
| Front Panel Color | Gray 7539U | | |
| Dimensions (WxHxD) (mm) | 234 x 184 x 42 | | |
| Operation Temperature (°C  ) | 0°C ~ 50°C | -10°C ~50°C | -10°C ~50°C |
| Storage Temperayure (°C ) | -20°C ~ 60°C | | |
| N/G Weight | 0.8 Kg | | |
| IP Level | IP 64 compliant front panel | | |
| 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 | 29W | 29W |

***Display System***

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

***Ordering Information***

|  |  |
| --- | --- |
| **Part Number** | **Description** |
| AFL-08AH-LX/R/512-R23 | 8.4” 450 cd/m², SVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 512MB DDR RAM, R23 |
| AFL-08AH-N270/R/1G-R24 | 8.4” 450 cd/m², SVGA fanless panel PC with Intel® Atom™ N270 1.6GHz,802.11b/g/n wireless module, touch screen , 1GB DDR2 533MHz, R24 |
| AFL-08A-N26/R/2G-R11 | 8.4” 450cd/m², SVGA fanless panel PC with Intel® Atom™ 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-08AH-LX | V |  |  | V |  | V |  |
| AFL-08AH-N270 | V |  |  | V |  | V |  |
| AFL-08AH-N26 | V |  |  | V |  | V |  |

***Packing List***

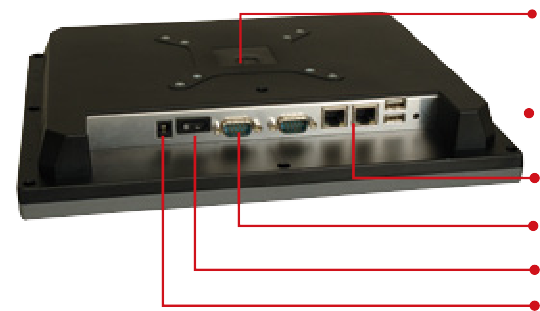
|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Part Number** | **Q’ty** | **Specification** |
| Screw Pack | 44013-030041-RS | 4 | M3;5mm |
| Power Adpater | 63040-010036-111-RS (for AFL-08AH-N270/AFL-08AH-LX)  63040-010036-121-RS (for AFL-08A-N26) | 1 | 90~264V AC; 12V DC; 36W (Meet PSE) |
| 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-08AH-LX** | **AFL-08AH-N270** | **AFL-08A-N26** |
| Panel Mounting Kit | AFLPK-12 | | |
| Wall Mounting Kit | AFLWK-12 | | |
| Rack Mounting Kit | AFLRK-08 | | |
| Arm | ARM-11-RS / ARM-31-RS | | |
| Stand | STAND-100-RS | | |
| VSTAND | VSTAND-A10-R11 | | |
| 9~30VDC to 12VDC Converter Module | IDD-930160-KIT | | |
| OS: Win CE 5.0 (128 MB CF card) | AFLCF-08-LX-CE-R21 | -- | -- |
| OS: Win CE 6.0 (128 MB CF card) | AFLCF-08-LX-CE060-R21 | -- | -- |
| OS: Win XPE (1 GB CF card) | AFLCF-08-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) | | |
| DC jack to terminal block power converter  cable | 32002-005500-100-RS | | |

\*OS image with CD-ROM

Standard VESA mounting



# *AFL-08AH-LX*

***Fully Integrated I/O***

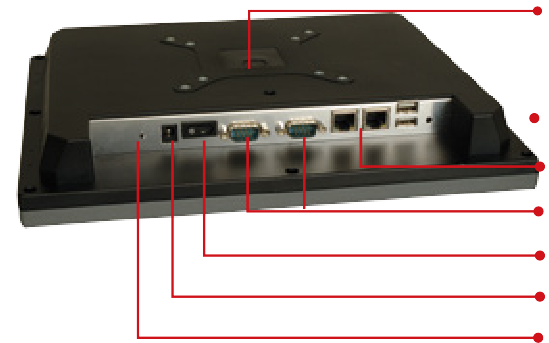
2 x USB

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-08AH-N270*

***Fully Integrated I/O***

1. x USB

2 x LAN

1 x RS-232

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

12VDC power jack

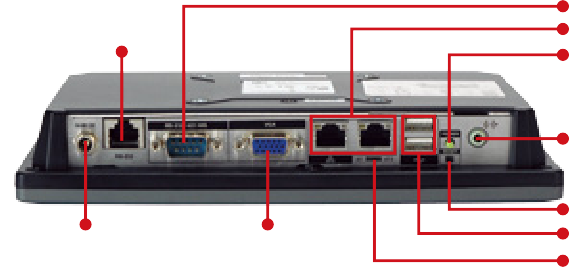
Audio (Line-out)

# *AFL-08A-N26*

***Fully Integrated I/O***

RS-232/422/485

1. x LAN Port Power Switch



RS-232

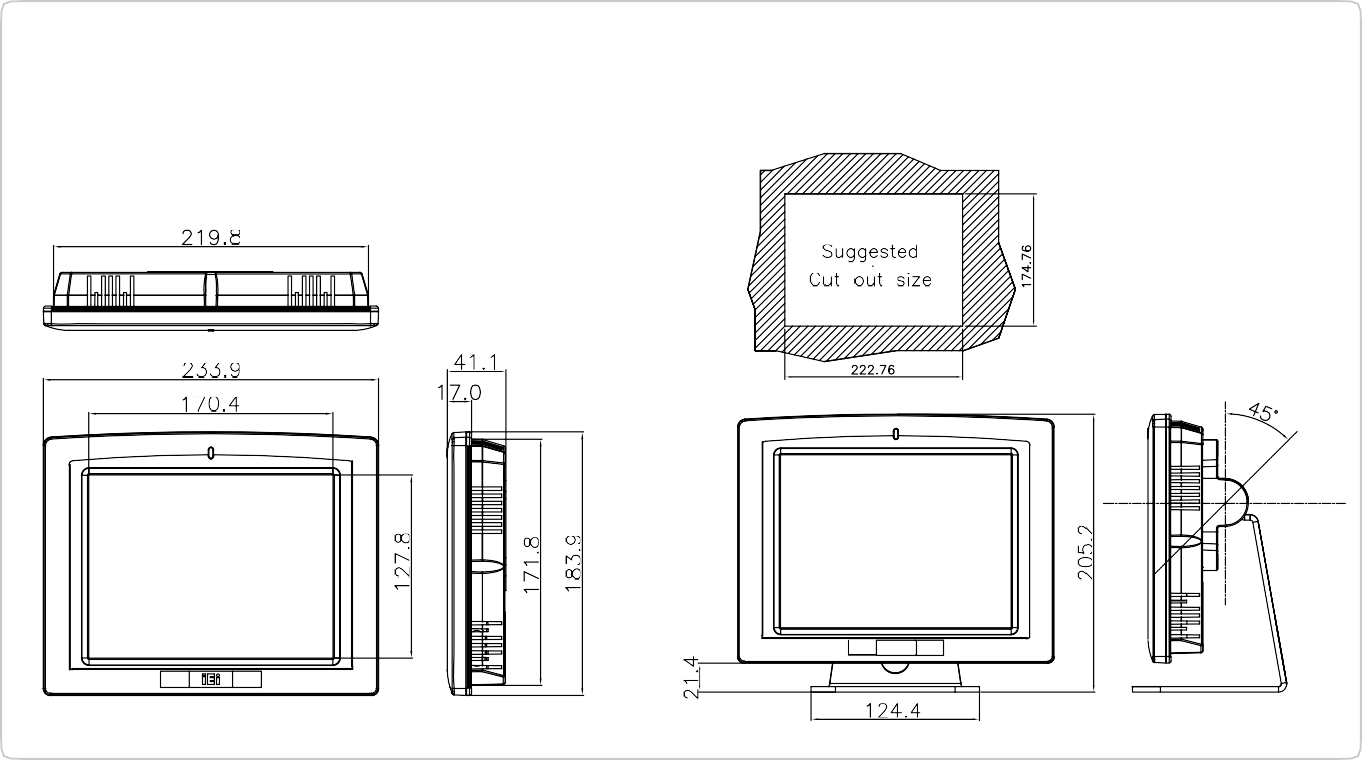
Lockable DC Jack

VGA

Line Out

Reset Button 2 x USB 2.0

AT/ATX Switch



***AFL-08AH/AFL-08A***

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