

7" Wide Screen WVGA AFOLUX PPC

**AFL-07A-LX**

AMD Geode LX-800 500 MHz Processor

**AFL-07A-N270**

Intel® Atom™ N270 1.6GHz Processor



(Optional Stand Kit)

**16:9  
Wide Screen**

**Features**

- 7" widescreen WVGA LED Backlight TFT LCD with resistive touch screen
- 18V~30V wide range DC power input (Optional for LX 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 Bluetooth module
- Built-in two 1.5 W speakers
- One compactFlash® slot
- IP64 compliant front panel
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

**Optional 18V ~30V Wide DC Power Input**

The compact fanless AFL-07A-LX model with widescreen high brightness panel is ideal for settings where space and light is limited. This makes it an ideal choice for mobile and transportation PC needs.

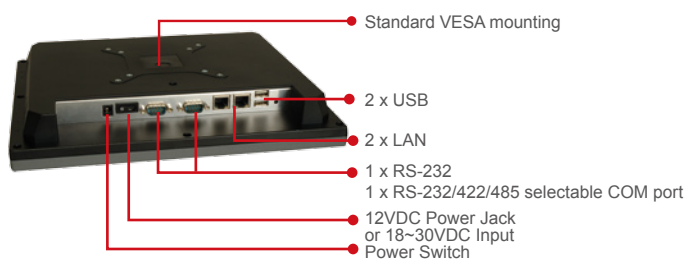


**Specifications**

Model	AFL-07A-LX / AFL-07A-LX24V	AFL-07A-N270
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)	140° / 110°	
Backlight MTBF	50000 hrs (LED Backlight)	
SBC Model	AFLMB-LX-800	AFLMB-945GSE-N270-R10
CPU	AMD Geode™ LX 800 (500Mhz)	Intel® Atom™ process N270 1.6GHz CPU
Chipset	AMD LX800 + AMD CS5536	Intel® 945GSE + ICH7M
RAM	Supports one 333MHz or 400MHz DDR SO-DIMM (1GB Max.)	Supports one 400MHz or 533MHz DDRII SO-DIMM (2GB Max.)
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ45 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 2 x RJ-45 for Giga LAN 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)
SSD	CF Typell	
Watchdog Timer	Software Programmable supports 1~255 sec. system reset	
Audio	AMP 1.5W + 1.5W (internal speaker)	
Wireless Connection	1 x Wireless Lan 802.11 b/g Module (internal Mini PCI interface) 1 x Bluetooth Function (internal USB interface, Bluetooth V2.0)	1 x Wireless Lan 802.11 b/g/n Module (internal PCIe mini card interface) 1 x Bluetooth Function (internal USB interface, Bluetooth V2.0)
Drive Bay	--	
Optional HSUPA Module (support GSM 850, EGSM 900, DCS 1800 & 1900)	--	
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 75 x 75mm	
Front Panel Color	Gray 7539U	
Dimension (WxHxD) (mm)	226 x 140 x 41	
Operation Temperature (°C)	0~50°C	-10°C ~50°C
Storage Temperature (°C)	-20°C ~ 60°C	
N/G Weight	0.6 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC / CB / CCC	
Touch Screen	Resistive Type 4-Wire (Touch controller IC is on board)	
Power Adapter	P/N: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	
Power Requirement	12VDC/ 18~30VDC	12VDC
Power Consumption	20W	23W

## Fully Integrated I/O

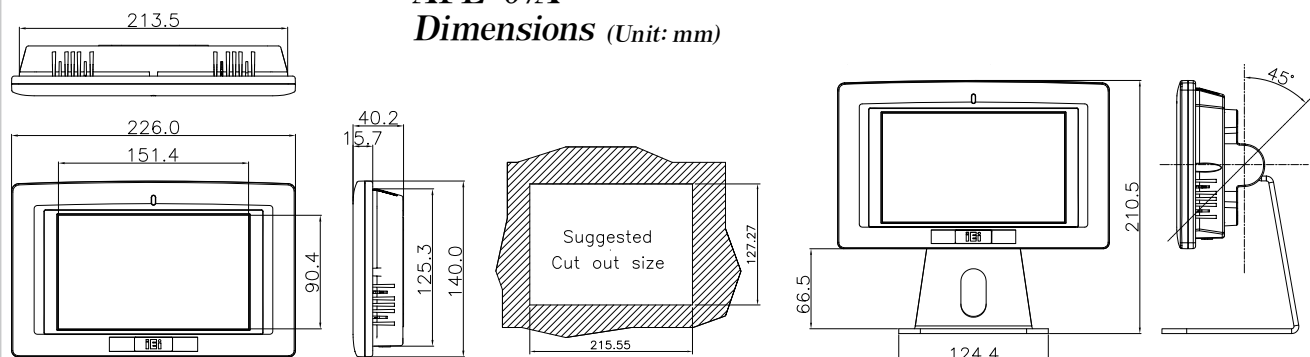
### • AFL-07A-LX



### • AFL-07A-N270



## AFL-07A Dimensions (Unit: mm)



## Ordering Information

Part Number	Description
AFL-07A-LX/R/256-R21	7" 500 cd/m <sup>2</sup> , WVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Bluetooth Module, Touch screen and 256MB DDR RAM, R21
AFL-07A-LX/R/512-R21	7" 500 cd/m <sup>2</sup> , WVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Bluetooth Module, Touch screen and 512MB DDR RAM, R21
AFL-07A-LX24V/R/256-R21	7" 500 cd/m <sup>2</sup> , WVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g Wireless Module, Bluetooth Module, Touch screen and 256MB DDR RAM, R21
AFL-07A-LX24V/R/512-R21	7" 500 cd/m <sup>2</sup> , WVGA fanless panel PC with AMD LX-800 CPU, 18~30VDC input, AT/ATX mode, 802.11b/g Wireless Module, Bluetooth Module, Touch screen and 512MB DDR RAM, R21
AFL-07A-N270/R/1G-R21	7" 500 cd/m <sup>2</sup> WVGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, bluetooth module, touch screen, 1GB DDR2 533, R21

Note: AFL-07A-LX24V model without power adapter

## Options

Model	AFL-07A-LX	AFL-07A-N270
Panel Mounting Kit	AFLPK-12	
Wall Mounting Kit	AFLWK-12	
Rack Mounting Kit	AFLRK-07	
ARM	ARM-11-RS / ARM-31-RS	
Stand	STAND-A08 / STAND-100-RS	
VSTAND	VSTAND-A07	
9~30VDC to 12VDC Converter Module	IDD-930160-KIT	
OS: Win CE 5.0 (128 MB CF card)	AFLCF-07-LX-CE-R21	N/A
OS: Win CE 6.0 (128 MB CF card)	AFLCF-07-LX-CE060-R21	AFLCF-07-N270-CE060-R21
OS: Win XPE (1 GB CF card)	AFLCF-07-LX-XPE-R21	AFLCF-07-N270-XPE-R21
OS: LINUX (2 GB CF card)	AFLCF-07-LX-LNX-R21	AFLCF-07-N270-LNX-R21
OS: Win 7 Embedded (2 GB CF card)	N/A	AFLCF-07-N270-WES7E-R21
Hybrid Card Reader	AFLP-08AMSI-U	
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)	

## ISMM Support Functions

	Voltage	Fan	Smart Fan	Temperature	WDT	Cash Drawer
AFL-07A-LX	V			V	V	
AFL-07A-N270	V			V	V	

## Packing List

Item	Part Number	Q'ty	Specification
Screws Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W
Power Cord	32000-000002-RS	1	1750mm; European Standard (EU or US, Which type of cord is shipped depends on the shipment country)
Utilities CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	

Note: AFL-07A-LX24V model without power adapter