

5.7" VGA AFOLUX PPC

AFL-057A-LX

AMD Geode™ LX 800 500MHz Processor

AFL-057A-Z510/Z530

5.7" Power over Ethernet (PoE) All-in-One Panel PC


PoE
IEEE802.3af

 IPS-2042TX
Industrial Lite-managed PoE Switch

Features

- 5.7" PoE compliant Panel PC with resistive touchscreen
- IEEE802.3af Power Over Ethernet (PoE) compliant
- Intel® Atom™ processor Z510P/Z530P up to 1.6 GHz
- Lower power consumption and fanless operation
- One CompactFlash® slot
- Wide operating temperature capability: -20°C to 60°C (AFL-057A-ZXX)
- IEI One Key Recovery solution for rapid OS backup and recovery (over 4 GB storage capacity recommended)
- IP 64 compliant front panel



Specifications

Model	AFL-057A-LX	AFL-057A-Z510/Z530
LCD Size	5.7"	
Max Resolution	640 (W) x 480 (H)	
Brightness (cd/m²)	400	
Contrast Ratio	300:1	
LCD Color	262K	
Pixel Pitch (mm)	0.06 (W) x 0.18 (H)	
Viewing Angle (H-V)	140° / 100°	
Backlight MTBF	50,000 hrs (LED Backlight)	
SBC Model	AFLMB-LX2-800	AFLMB-US15W
CPU	AMD Geode™ LX 800 (500Mhz)	Intel® Atom™ Processor Z530P 1.6 GHz Intel® Atom™ Processor Z510P 1.1 GHz
Chipset	AMD LX800 + AMD CS5536	Intel® SCH: US15W
RAM	Supports one 333MHz or 400MHz DDR SO-DIMM (Max.1GB)	Supports one 533MHz or 400MHz DDR SO-DIMM (Max.2GB)
I/O Ports	1 x RJ-45 for RS-232 COM port 1 x RJ-45 for RS-232/422/485 COM port 2 x USB 2.0 1 x RJ-45 for 10/100Mbps LAN 1 x VGA port 1 x Power switch 1 x Reset button 1 x Power jack	1 x RS-232/422/485 COM port 1 x RJ-45 for GbE supports IEEE 802.3af, PoE/PD 1 x USB 2.0 1 x Reset button 1 x 5V DC power input
SSD	CF Type II	
PoE Function	--	Require IEEE 802.3af 12.95W power input Power Device PD (Power-input)
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 USB interface)	--
Construction Front Panel	ABS + PC Plastic front frame /Aluminum die-casting body	
LED Function	1 x LED on front panel for power on/off	
Mounting	Panel, Wall, Rack, Stand or Arm mounting VESA 75mm x 75mm	Panel, Wall, Stand and Arm VESA 75mm x 75mm
Front Panel Color	Gray 7539U	
Dimension (WxHxD) (mm)	180 x 135 x 55	
Operation Temperature (°C)	0°C~50°C	-20°C~60°C
Storage Temperature (°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: 63000-FSP036RAB608-RS	P/N: 63000-FSP025DGAA1705-RS (optional)
	36W Power Adapter Input: 90VAC~264VAC, 50/60Hz	25W Power Adapter Input: 90VAC~264VAC, 50/60Hz
Power Requirement	Output: 12VDC	Output: 5VDC
	12VDC	5V DC-IN Power input or receives PoE Power from RJ45 Connector
Power Consumption	15W	12W

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

PACSmate Medical Solutions

4

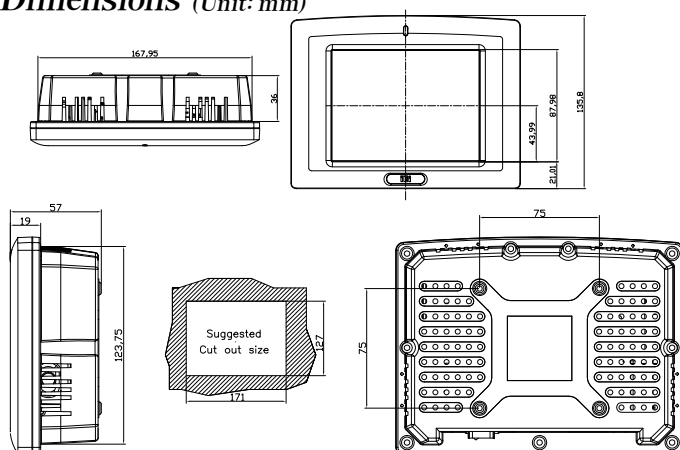
Optional Peripherals

PoE Panel PC Eliminates Need for AC Outlets

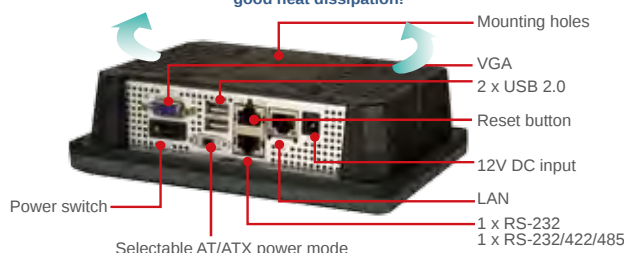
The IEI AFL-057A is IEEE 802.3af compliant. The IEEE 802.3af PoE standard ensures that 12.95W of DC power is provided to each connected device. PoE Technology describes a system that safely transfers electrical power, along with data, to remote devices over a standard category 5e cable in an Ethernet network.



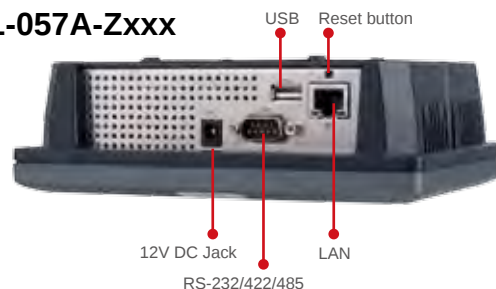
AFL-057A Dimensions (Unit: mm)



AFL-057A-LX Aluminum die-casting rear cover with good heat dissipation!



AFL-057A-Zxxx



Ordering Information

Part Number	Description
AFL-057A-LX/R/256M-R21	5.7" VGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, wireless module, touch screen and 256MB DDR RAM, R21
AFL-057A-LX/R/512M-R21	5.7" VGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, wireless module, touch screen and 512MB DDR RAM, R21
AFL-057A-Z530/ R/1G-R11	5.7" 400 cd/m ² VGA fanless panel PC with Intel® Atom™ Z530 1.6 GHz, PoE IEEE 802.3 af, touch screen, 1 GB DDR2 553 MHz
AFL-057A-Z510/ R/1G-R11	5.7" 400 cd/m ² VGA fanless panel PC with Intel® Atom™ Z510 1.1 GHz, PoE IEEE 802.3 af, touch screen, 1GB DDR2 553 MHz

Options

	Item	AFL-057A-LX	AFL-057A-Zxxx
IQ Mount	Panel Mount Kit		AFLPK-12
	Wall Mount Kit		AFLWK-12
	Rack Mount Kit		AFLRK-057
	ARM		ARM-11-RS / ARM-31-RS
	Stand		STAND-C12-R10 / STAND-100-RS
OS	VSTAND		VSTAND-A07-R11
	Win XPE (1GB CF card)	AFLCF-057-LX-XPE-R10	AFLCF-057-US15W-XPE-R10
	Win 7 Embedded (2GB CF card)	N/A	AFLCF-057-US15W-WES7E-R10
	Win CE 5.0 (128MB CF card)	AFLCF-057-LX-CE5-R10	N/A
	Win CE 6.0 (128MB CF card)	AFLCF-057-LX-CE6-R10	AFLCF-057-US15W-CE6-R10
Industrial PoE Switch (4 ports P.S.E)	Linux (2GB CF card)	AFLCF-057-US15W-LNX-R10	N/A
		N/A	IPS-2042TX
Card Reader	Hybrid Card Reader	AFLP-08AMSI-U	AFLP-08AMSI-U
	Magnetic Stripe Reader	AFLP-08AMSR-U	AFLP-08AMSR-U
	DC to DC converter module	IDD-930160-KIT	N/A
Power Adapter	DC 12V Input UPS	AUPS-A10-R1- (7.4V 3800mAh)	N/A
	DC 9-36V Input UPS	AUPS-A10-R1- (7.4V 3800mAh)	N/A
	25W Power Adapter for AFL-057A-Zxxx	N/A	63000-FSP025DGAA1705-RS
Bluetooth	Bluetooth V2.0+EDR	AFL-BT-KIT03-R10	N/A

IPS-2042TX

Industrial 6-port Lite-Managed PoE Ethernet Switch



- World's fastest Redundant Ethernet Ring : O-Ring (Recovery time < 10 ms over 250 units of connection)
- Multiple Redundant Ethernet technology RSTP/STP, O-Ring supported
- SNMP v1 supports secured network management
- Web-based configuration and Windows utility (Open-Vision)
- Triple redundant DC power inputs via terminal block and power jack
- Event notification through Syslog, Email, and SNMP trap
- Two 100Base-FX fiber ports support long distance connections
- 4 ports support P.S.E based on IEEE 802.3af standard up to 25 watts per port
- Wide operating temperature range from -40°C to 70°C

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3,5mm
Power Adpater	63000-FSP036RAB608-RS	1	90~264V AC; 12V DC; 36W (for AFL-057A-LX)
Power Cord	32000-000002-RS	1	1750mm (EU or US, depending on the shipment country) (for AFL-057A-LX)
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

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

AFL-W07A-N26

Intel® Atom™ N2600 1.6GHz Processor

New**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**

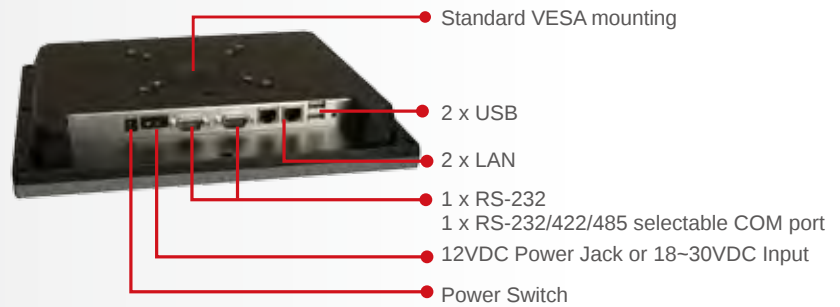
- 7" widescreen WVGA LED backlight TFT LCD with resistive touch screen
- 9V~28V wide range DC power input (for Intel® N2600 platform)
- Compact design with plastic housing
- Fanless cooling system
- Selectable AT/ATX power mode
- System memory up to 2 GB SDRAM
- Built-in 802.11b/g/n Wireless LAN
- Built-in 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**

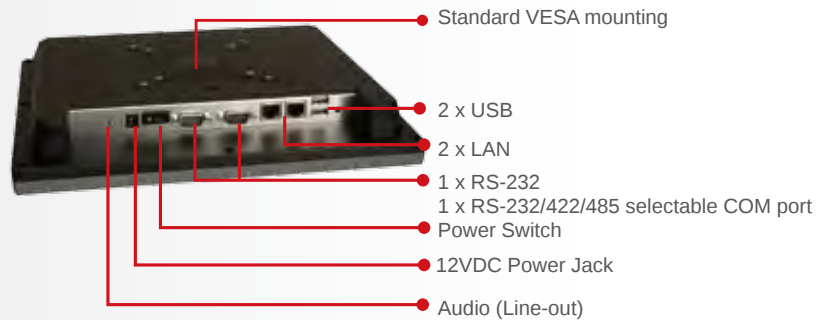
Model	AFL-07A-LX	AFL-07A-N270	AFL-W07A-N26
LCD Size	7"		
Max Resolution	800 x 480		
Brightness (cd/m²)	500		
Contrast Ratio	400:1		
LCD Color	262K		
Pixel Pitch (mm)	0.0635 (H) x 0.1905 (V)		
Viewing Angle (H-V)	140° / 110°		
Backlight MTBF	50000 hrs (LED Backlight)		
SBC Model	AFLMB-LX-800	AFLMB-945GSE-N270-R10	AFLMB-CV-N2600-R10
CPU	AMD Geode™ LX 800 (500MHz)	Intel® Atom™ processor 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 with 2GB
I/O Ports	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 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 2 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)	1 x Wireless LAN 802.11b/g/n 2T2R Module (internal PCIe Mini card interface)
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 Temperature (°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: 63000-FSP036RAB608-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC		P/N: 63000-FSP036RAB610-RS 36W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC	12VDC	9-28V DC
Power Consumption	20W	23W	23W

Fully Integrated I/O

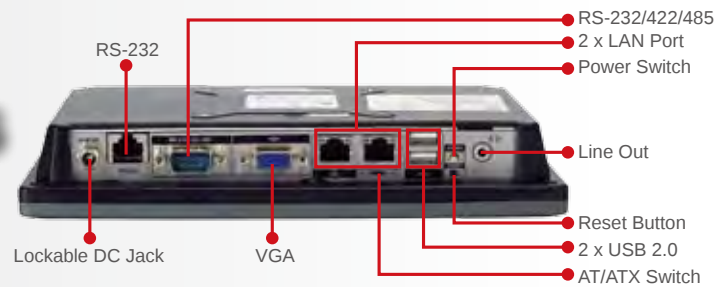
AFL-07A-LX



AFL-07A-N270



AFL-W07A-N26



1

IEIMobile
Solutions

2

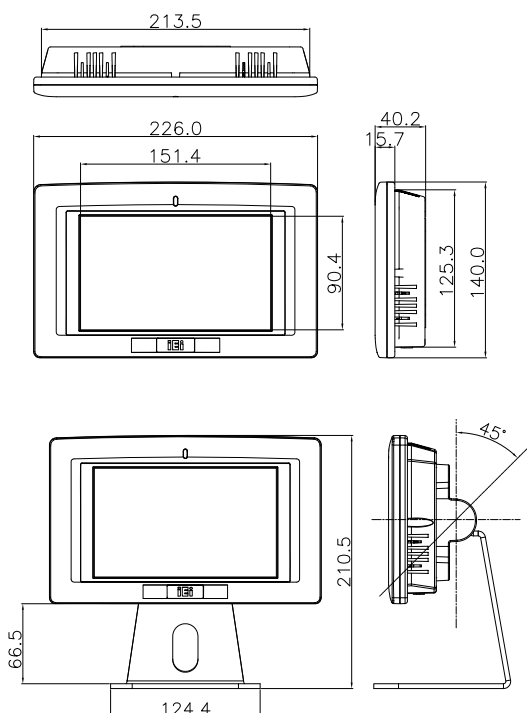
Automation
Panel
Solutions

3

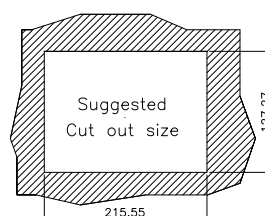
PACSmate
Medical
Solutions

4

Optional
Peripherals



AFL-07A/AFL-W07A Dimensions (Unit: mm)



(Optional Stand Kit)

Ordering Information

Part Number	Description
AFL-07A-LX/R/256-R22	7" 500 cd/m ² , WVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 256MB DDR RAM, R22
AFL-07A-LX/R/512-R22	7" 500 cd/m ² , WVGA fanless panel PC with AMD LX-800 CPU, AT/ATX mode, 802.11b/g Wireless Module, Touch screen and 512MB DDR RAM, R22
AFL-07A-N270/R/1G-R23	7" 500 cd/m ² WVGA fanless panel PC with Intel® Atom™ N270 1.6GHz, 802.11b/g/n wireless module, touch screen, 1GB DDR2 533, R23
AFL-W07A-N26/R/2G-R10	7" 500cd/m ² , WVGA fanless panel PC with Intel® Atom™ cedarview N2600 dual core 1.6GHz, 802.11b/g/n wireless module, touch screen, 2GB DDR3, R10

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	AFLCF-07-N270-CE060-R23	--
OS: Win XPE (1 GB CF card)	AFLCF-07-LX-XPE-R21	AFLCF-07-N270-XPE-R23	AFL-W07-N26-XPE-R10*
OS: LINUX (2 GB CF card)	AFLCF-07-LX-LNX-R21	AFLCF-07-N270-LNX-R23	AFL-W07-N26-LNX-R10*
OS: Win 7 Embedded (4 GB CF card or CD-ROM)	--	AFLCF-07-N270-WES7E-R23	AFL-W07-N26-WES7E-R10*
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)	
Bluetooth V2.0+EDR		AFL-BT-KIT02-R10	

*OS image with CD-ROM

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	63000-FSP036RAB608-RS 63000-FSP036RAB610-RS (for AFL-07A-N26)	1	90-264V AC; 12V DC; 36W
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	

1

IEI Mobile Solutions

2

Automation Panel Solutions

3

PACsmate Medical Solutions

4

Optional Peripherals