



# AFL-12B-LXPOS

## AFL-15A-LXPOS Panel PC



**Fanless  
POS PC**

### Help you Drive Business Success









IEI AFOLUX POS touch panel PCs are ideal in applications where cost, rugged design, and limited space are top criteria, especially for harsh retail or hospitality environments.






- Fanless
- IP 64
- Watchdog Timer
- Wireless 802.11 b/g
- RS-232 /422/485
- AT/ATX
- iSMM
- Integrated audio
- TouchScreen

# Flexible Combination for Diverse Applications

IEI AFOLUX POS Panel PCs are designed for small chain stores, local restaurant operators who appreciate the advantages of using simple operating POS system.

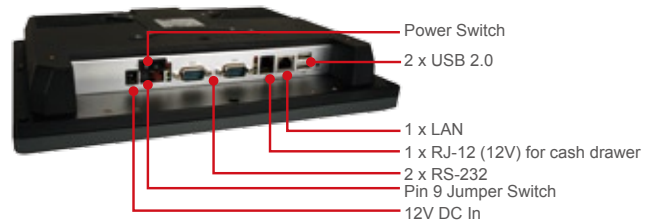
	<p><b>A. Wall Mount POS Self Ordering Solution</b>                  Wall mounting capability economizes on space for users who don't have any additional room to build more checkouts. The wall mounted POS that enable customers to order by themselves also reduces queues during the peak periods.</p>	
	<p><b>B. Flexible Pay Stations Vehicle POS Station</b>                  Mobile POS systems enable large stores, theme parks, multiplexes and other large entertainment venues to quickly setup temporary pay stations at different locations during peak periods and during special promotions. All transactions can be easily monitored by a central database and all credit card transactions easily and securely authorized. Wireless connectivity simplifies the process and reduces the overall setup time.</p>	
	<p><b>C. Back Office POS Kitchen POS</b>                  A POS installed in the kitchen enables chefs to receive and print hand written instructions from a waiter in the front end of the restaurant.</p>	
	<p><b>D. Desk Top POS All-in-One POS System</b>                  The AFL POS all in one system is a flexible system that saves counter space and comes with a diverse range of peripherals for space sensitive applications and environments</p>	

## Space-Saving All-in-One System

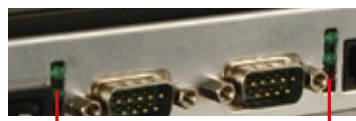
		<p><b>Counter Space Saving!</b></p> 
<p><b>General POS system with separate parts occupy the space</b></p>	<p><b>AFOLUX POS Panel PC System</b></p>	<p><b>WIN!</b></p>
<p>Building Cost</p>	<p>High</p>	<p>Low</p>
<p>Maintenance</p>	<p>Complicated</p>	<p>Easy</p>
<p>Appearance</p>	<p>A POS system with lots of cables and peripherals</p>	<p>Simple, slim and luxurious</p>
<p>Space Occupy</p>	<p>High</p>	<p>Low</p>

## Flexible in peripheral connection

The AFOLUX POS PC supports full I/O and is equipped with various connectors for different peripherals.



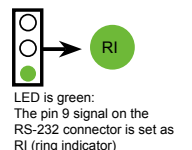
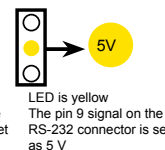
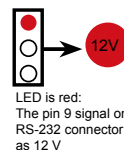
### 1. Two RS-232 with selectable RI/5V/12V



**Convenient Jumper Setting in front of the rear**  
 Since the peripherals require a +5V/+12VDC RS-232 connection, set the corresponding I/O COM port voltage output on pin-9 to +5V/+12V through the switch in front of the rear.



LED Indicator for identifying power selected by jumper



## 2. Two USB ports for peripheral connectivity



1 Magnetic Card Reader  
• Credit card data collection  
• Membership card



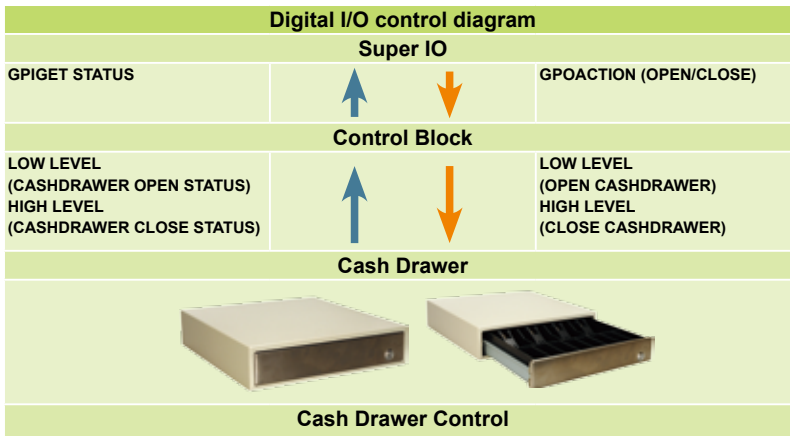
2 Smart Card Reader  
• Storage Card



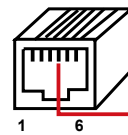
3 iButton  
Each iButton has a unique serial number and it is unalterable. It can be used as a key or identifier for:  
• Access controls for POS terminal  
• eCash transactions  
The iButton can be used to store cash for small transactions

## 3. One cash drawer port via RJ-12 with 12 V power

The AFOLUX POS is equipped with a digital I/O RJ-12 12 V port that provides extension for peripherals such as a cash drawer devices.



### Cash Drawer RJ-12 Pin Assignments



Pin	Assignment
1	Ground
2	CASH_1 (Digital Out Programmable)
3	Digital IN
4	+12 V
5	NC
6	Ground

### IEI ISMM cash drawer status monitoring



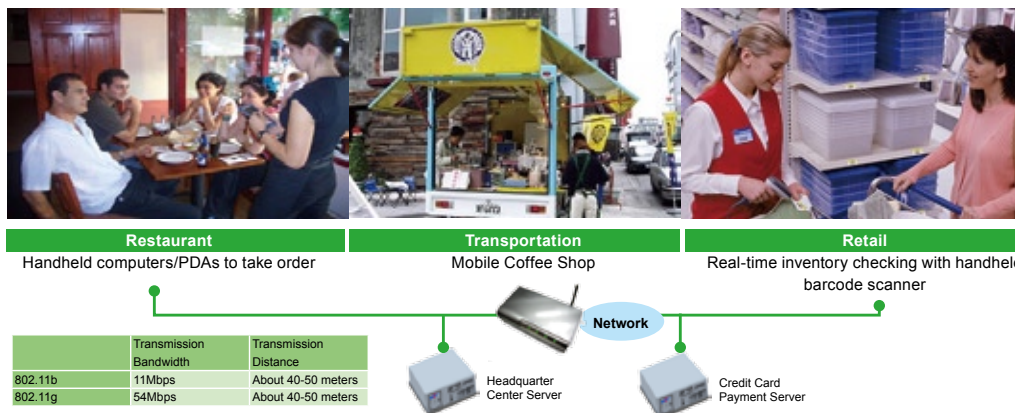
IEI also provides a quick and easy tool to develop cash drawer application for POS program

## Seamless Connection



**Built-in 802.11 b/g wireless module conduct data transmission wherever you are**

The integrated PIFA antenna on the AFOLUX POS panel PC ensures uninterrupted wireless connection in retail stores and restaurants. The wireless option reduces cable costs and enables more devices to be connected to transmit transaction or inventory data in real time.



## Reliable Fanless POS Panel PC for Rigorous Environments



**Reliable Fanless System**

The AMD Geode™ LX 800 processor generates less heat. AFOLUX POS models with AMD Geode™ LX 800 are high-performance fanless platforms.



### Benefits

- Less down time
- Extended operational lives as they are not exposed to overheating problems caused by fan failures
- Reduce maintenance costs

● Accessory

1. All-in-one design ideal for public applications



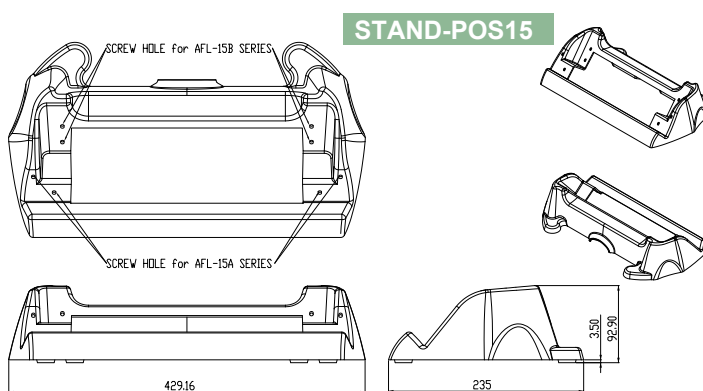
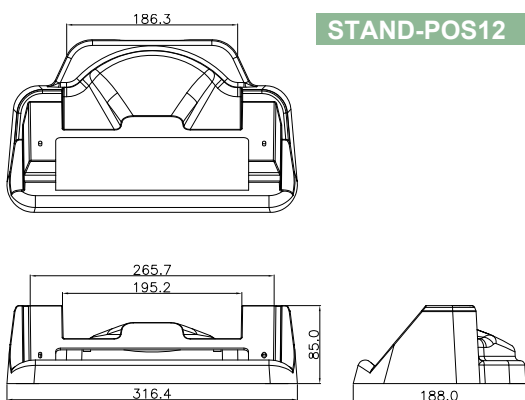
2. Easy Remove and Installation Design



3. Easily arrange the cables inside the stand

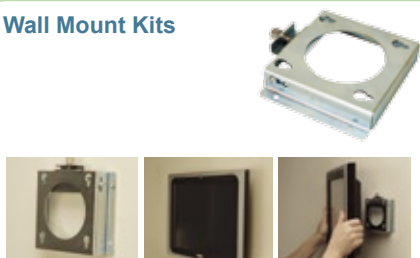


● Dimensions



● IQ Mount

Wall Mount Kits



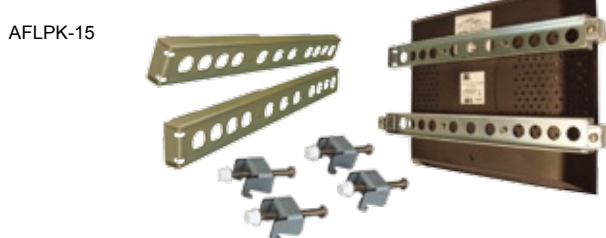
Comfortable Stand



Easy Stand



● Panel Mount



## • Specifications



Model Name	AFL-12B-LXPOS	AFL-15A-LXPOS
Mainboard	AFLMB-LXPOS	
CPU	AMD Geode™ LX 800 (500MHz)	
Chipset	AMD Geode™ LX 800+ AMD Geode™ CS5536	
Memory	Supports one 1GB (maximum)333MHz or 400MHz SO-DIMM	
<b>LCD/Touch Panel</b>		
LCD Size	12.1" TFT LCD	15" TFT LCD
Max Resolution	800 x 600 ( 1024 x 768 )	1024 x 768
Brightness (cd/m <sup>2</sup> )	350 ( 450 )	350
Contrast Ratio	500:1 ( 700:1)	700:1
LCD Color	262K	262K
Pixel Pitch (mm)	0.3075(H) x 0.3075(V) (0.240(H) x 0.240 (V))	0.297(H) x 0.297(V)
Viewing Angle (H-V)	140(H) / 120(V) (160(H) / 160(V))	140(H) / 125(V)
Backlight MTBF	50000 hrs	50000 hrs
Touch Screen Type	Resistive Type 5-Wire	
<b>Metal Housing</b>		
Housing Material	ABS + PC Plastic front frame	
IP Level	IP 64 in front	
Front Panel Color	Gray	Silver
<b>Storage</b>		
HDD	1 x 2.5" HDD bay With ANTI-SHOCK	
SSD	CF Type II	
<b>Expansion</b>		
Mini-PCI Slot	1x mini-PCI slot (for build-in wireless 802.11 b/g module)	
<b>External I/O Ports</b>		
USB	2 x USB 2.0	
Serial/COM	2 x RS-232 COM Port (pin 9 with RI , 5V or 12V switch selectable) With LED Indicator (12V--Red / 5V--Yellow / RI--Green)	
LAN (10/100Mbps)	1 x RJ-45	
Cash Drawer Port	1 x RJ-12 (12V) for Cash Drawer	
DC Jack	1 x DC Jack	
	1 x Power Switch	
	1 x Reset Button	
POWER LED	1	
<b>Audio</b>		
Built-in Speaker	AMP 1.5W+AMP 1.5W	
<b>Power</b>		
Power Adapter	Power: 48W	Power: 60W
	Input: 90VAC~264VAC @ 50/60Hz	Input: 90VAC~264VAC @ 50/60Hz
	Output: 12VDC	Output: 12VDC
<b>Peripheral</b>		
MSR	Magnetic Card Reader (USB interface) (optional)	
MSI	Magnetic Card, Smart Card, Dallas iButton (USB interface) (optional)	
Cash Drawer	RJ-12 (12VDC) interface (optional)	
Bar Code Reader	Hand-held Laser Scanner (USB interface) (optional)	
<b>Environment</b>		
EMC and Safety	CE,FCC,CCC,UL,CB	
Operating Temperature	0°C~50°C	
Storage Temperature	-20°C~60°C	
Dimension (WxHxD) (mm)	304 x 246 x 49.5	394 x 309 x 61
Mounting	Panel, Wall, Stand VESA 75mm x 75mm / 100 x 100mm	Panel, Wall, Stand VESA 100 x 100mm
Net Weight	1.8 Kg	3.2 Kg
Power Consumption	29W	38W
OS Support	Windows XPE, Windows CE 5.0 or Windows CE 6.0 (optional)	
Watchdog Timer	Software programmable supports 1~255 sec. System reset	

## • Options

	AFL-12B-LXPOS	AFL-15A-LXPOS
POS Stand	STAND-POS12	STAND-POS15
LCD Stand	STAND-A12	STAND-A19 / STAND-B19
Wall Mount Kit	AFLWK-19	
Panel Mounting Kit	AFLPK-12	AFLPK-15
Cash Drawer	AFLP-CW01-12V (RJ-12 interface with white color) AFLP-CB01-12V (RJ-12 interface with black color)	
Bar Code Reader	AFLP-BRW01-U (USB interface with white color) AFLP-BRB01-U (USB interface with black color)	
MSR (Magnetic Stripe Reader)	AFLP-12BMSI-U	AFLP-17AMSR-U
MSI (Magnetic Card/Smart Card/Dallas iButton)	AFLP-12BMSI-U	AFLP-17AMSI-U
Thermal Printer	AFLP-TPW01 (RS-232 interface with white color) AFLP-TPB01 (RS-232 interface with black color)	
Customer Display	AFLP-CDW01 (RS-232 interface with white color) AFLP-CDB01 (RS-232 interface with black color)	
OS: Windows® CE 5.0	AFLCF-12-LXPOS-CE (128MB CF Card)	AFLCF-15-LXPOS-CE (128MB CF Card)
OS: Windows® CE 6.0	AFLCF-12-LXPOS-CE060 (128MB CF Card)	AFLCF-15-LXPOS-CE060 (128MB CF Card)
OS: Windows® XPE	AFLCF-12-LXPOS-XPE (1GB CF Card)	AFLCF-15-LXPOS-XPE (1GB CF Card)

## • Ordering Information

Model	Description
AFL-12BS-LXPOS/WT-R/256MB	12.1" 350 cd/m <sup>2</sup> SVGA fanless PPC with AMD Geode™ LX 800 CPU, 256MB DDR RAM, 802.11 b/g wireless module and touch screen, without STAND
AFL-12BX-LXPOS/WT-R/256MB	12.1" 450 cd/m <sup>2</sup> XGA fanless PPC with AMD Geode™ LX 800 CPU, 256MB DDR RAM, 802.11 b/g wireless module and touch screen, without STAND
AFL-15A-LXPOS/WT-R/256MB	15" 350 cd/m <sup>2</sup> XGA fanless PPC with AMD Geode™ LX 800 CPU, 256MB DDR RAM, 802.11 b/g wireless module and touch screen, without STAND

