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# AFOLUX-3 Series

## AFL-315A / AFL-317A KIOSK Panel PC

15/17 inch Core™2 Duo Industrial KIOSK Panel PC

- **Sophisticated high reflection surface**  
Smooth and easy cleaning surface easily fits any kind of KIOSK enclosure
- **All-in-one highly integrated design**  
Multiple functions and connectors built in the one unit system fits all self service solutions and not only decreases maintenance time but also saves the space considerably
- **Versatile mounting solutions and back IO design allows installed in minutes**  
Faster installation into device such as KIOSK and ATM
- **IP 64 front panel compliance**  
System operation in a dusty or wet rigorous environment



**AFL-315AW // AFL-317AW**



## KIOSK Ready System



### Easy to Installation

- ✓ **Light Weight**  
10.2 kg Only
- ✓ **Slim Type**  
82 mm ultra slim design
- ✓ **Smart Mechanism**  
Back IO design allows easy cable arrangement and installation



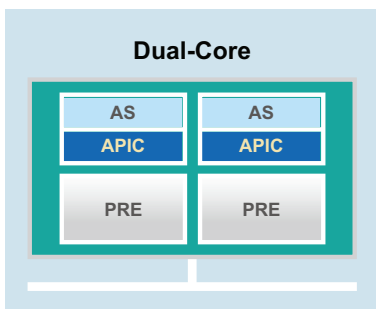
**AFL-315AB // AFL-317AB**

## Powerful Computing

Manufactured with open system design, IEI AFOLUX KIOSK panel PC offers flexible configuration in space-saving form factor. It comes with:

- 15 inch 1024 x 768(XGA), 17 inch 1280 x 1024(SXGA) active matrix LCD touchscreen interface
- Powered by 1.8 GHz Intel® Dual Core Desktop Processor with 533/800/1066 MHz FSB and 512 KB cache, product provides DDR2 1GB of memory, expandable to 4GB

For kiosk application, powerful computing is strongly required to deliver high computing power and multi-task performance.

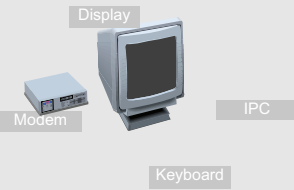


AS = Architecture State (registers, flags, timestamp counter, etc.)  
APIC = Advanced Programmable Interrupt Controller  
PER = Processor Execution Resources (execution units, instruction decode, etc.)

Process	CPU Number	clock speed	FSB	L2 Cache	TDP
Core™2 Duo	E6400	2.13G	1066	2MB	65W
	E6320	1.86G		4MB	
	E6300	1.86G	2MB		
	E4400	2G	2MB		
Pentium® Dual Core	E4300	1.8G	800	2MB	65W
	E2160	1.8G		1MB	
Celeron®	440	2.00G	800	512K	35W
	430	1.8G			
	420	1.6G			
Pentium® Ex	965	3.73G	1066	2X2M	130W
	955	3.46G			130W
Pentium® D	960	3.6G	800		130W
	950	3.4G			130W

## All-in-One System

### Typical KIOSK System



Separate peripherals occupy the space and produce additional purchase of proprietary cables for specific devices.

### AFOLUX KIOSK PPC

Designed for style, performance, and state-of-the-art built-in functions in a single package

- ✓ Space saving
- ✓ Cost saving
- ✓ No peripheral installation
- ✓ No cable installation

### AFL-315/AFL-317 KIOSK Ready System



All-in-one system with sophisticated appearance, ideal for third-party enclosure



## Higher Performance, More Energy-Efficiency



A preinstalled Bluetooth module communicates with a wide range of electronic products from PDAs, cellular phones and printers, to barcode readers.



The integrated PIFA antenna on the AFOLUX ensures an uninterrupted wireless connection. PIFA type antennas can receive high-quality, uniform signals in any location from all directions without any signal degradation or impedance and are the most efficient.

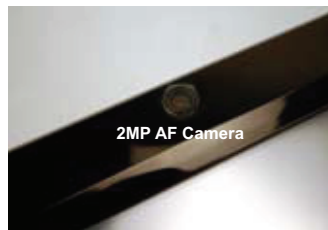


## High Performance Multimedia

AFL-315A / 317A provides outstanding image quality and high performance, immersive multimedia play back. Users will experience revolutionary performance, unbelievable system responsiveness from the following enhanced multimedia features.



- Built-in 0.3 mega-pixel webcam with digital microphone (AFL-317A)



- Built-in 2.0 mega-pixel webcam with auto focus (AFL-315A)



- Built-in two 1.5W IP 64 water proof stereo speakers



- External audio (Line in, Line out, MIC in supported)

## Dual Display

Equipped with VGA and DVI out interfaces allow second display connection to extend or duplicate your content, whether in advertising, inform or interact.



Choosing any two from main screen, VGA or DVI as dual display targets.



Interview KIOSK



Check-in KIOSK in the airport

## Multimedia Feature

The AFL-315A / 317A built-in CMOS camera module is specially designed and fabricated for KIOSK applications. The camera module combines a UXGA CMOS sensor with integrated lens to deliver high performance images quality. It has a USB2.0 High Speed interface and has the capability of transferring uncompressed data in UXGA mode at 15 fps and VGA mode at 30 fps.

### ► AFL-315A

- XGA resolution image sensor
- Video resolution: 1600x1200, 1280x1024, 1024x768, 800x600, 640x480, 352x288, 320x240, 176x144, 160x120.
- Frame rate: 1600x1200@ 15 fps max, 640x480@ 30fps max.
- Video format: YUY2' MJPG' I240
- Max. image transfer rate: 2M @ MJPG 15fps; 1.3M @ MJPG 15fps; VGA @ MJPG 30fps
- Auto white balance
- Auto exposure
- Auto gain control
- Auto Focus@ 10cm ~ infinity..
- High speed USB2.0 interface
- GA compliant



### ► AFL-317A

- VGA resolution image sensor
- Video resolution: 640x480, 352x288, 320x240, 176x144, 160x120.
- Frame rate: 640x480@ 30fps max.
- Auto white balance
- Auto exposure
- Auto compensation
- Focus range of 25 cm to Infinity
- Flip Control Option
- High speed USB2.0 interface
- Storage Format of Image: AVI
- Storage Format of Photograph: BMP, JPEG
- Digital Microphone x 2

Note: Optional 1.3MP Camera with Digital Microphone Module

HR Employees / Job Applications Kiosk

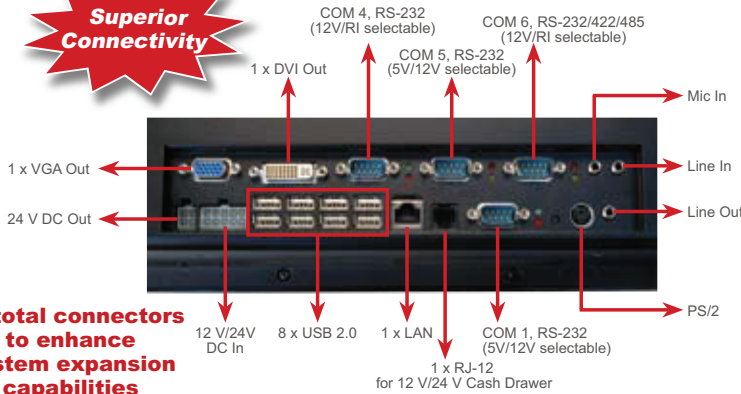


Desk top KIOSK for employee fill out online forms and interview with managers



## Rich Connectivity

AFL-315A/317A with complete connectivity has the ability to do the multiple KIOSK applications.



13 total connectors to enhance system expansion capabilities

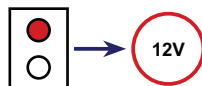


## Four RS-232 with selectable 5V/12V/RI to connect to devices

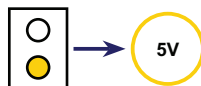


LED indicator for identifying power status selected by jumper ( Red:12V/Yellow:5V/Green: RI)

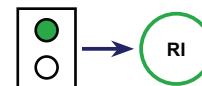
Indicator sparkle in red: RS-232 with 12V power setting



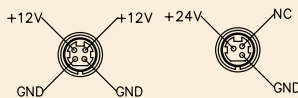
Indicator sparkle in yellow: RS-232 with 5V power setting



Indicator sparkle in Green: RS-232 with Ring Indicator setting



## Power supply provides additional 12V and 24V power for peripheral power requirements



Extra 24V power Connector for peripheral power requirement

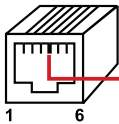


24V Thermal Printer

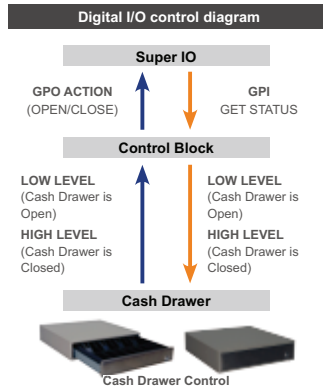


## Cash drawer port via RJ-12 with 12 V/24 V power

Equipped with a digital I/O RJ-12 12 V/24 V port that provides extension for peripherals such as a cash drawer device.



Pin	Assignment
1	Ground
2	CASH_1 (Digital Out Programmable)
3	Digital IN
4	+12 V / +24 V (Jumper Selection)
5	NC
6	Ground



**IEI ISMM cash drawer status monitoring**

IEI also provides a quick and easy tool (ISMM API) to develop specific application for your system.

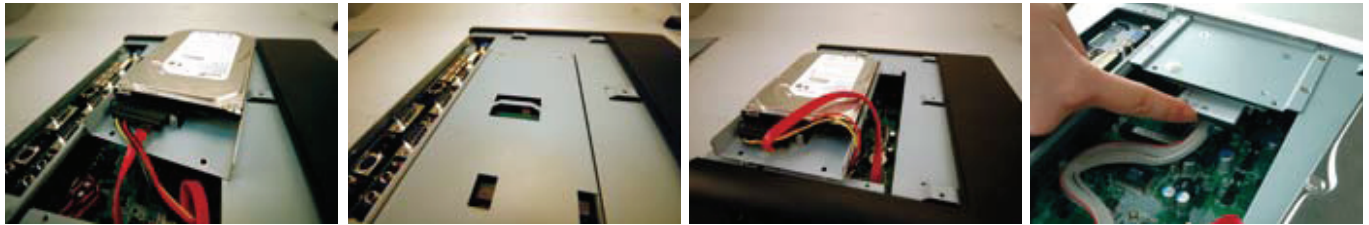
**Free API**

Cash Drawer controlled by Digital IO || Application Program

Self-development system program

## Cash drawer port via RJ-12 with 12 V/24 V power

Easy access storage drive bay design for quick, trouble-free storage installation



Easy HDD and CF Card Installation

## Specifications



**AFL-315AB-945  
AFL-317AB-945  
(Black)**



**AFL-315AW-945  
AFL-317AW-945  
(White)**

<b>LCD Size</b>	15"	17"	<b>Brightness (cd/m<sup>2</sup>)</b>	350	300
<b>Max Resolution</b>	1024 x 768	1280 x 1024	<b>SSD</b>	CF Type II	
<b>Contrast Ratio</b>	700:1	800:1	<b>Watchdog Timer</b>	Software Programmable supports 1~255 sec. System reset	
<b>LCD Color</b>	262K	16.7M	<b>Audio</b>	AMP 1.5W+AMP 1.5W (Built-in Stereo Speakers)	
<b>Pixel Pitch (mm)</b>	0.297(H) x 0.297(V)	0.264(H) x 0.264(V)	<b>Camera</b>	2 Mega pixel with Autofocus	300K pixel with Digital Microphone
<b>Viewing Angle (H-V)</b>	140° / 125°	160° / 160°	<b>Expansion</b>	1 x PCIe mini card 1 x Mini PCI Interface (Wireless LAN 802.11 a/b/g Module ) 1 x Bluetooth module (USB interface, Bluetooth V2.0)	
<b>Backlight MTBF</b>	50,000 hrs		<b>HDD Drive Bay</b>	1 x 3.5" SATA HDD bay or 1 x 2.5" SATA HDD bay	
<b>SBC Model</b>	AFLMB-9454		<b>ODD Drive Bay</b>	N/A	1 x slim type ODD bay
<b>CPU</b>	Intel® Dual Core Desktop Processor(E2160) 1.8GHz or others		<b>Construction Material</b>	ABS + PC Plastic front frame	
<b>Chipset</b>	Intel® 945G		<b>Mounting</b>	Panel, Wall, Stand and Arm (VESA 100mm x 100mm)	
<b>Memory</b>	DDR2 1GB support up to 4GB		<b>Front Panel Color</b>	Black or White	
<b>I/O Ports and Switches</b>	1 x 12V/24V DC Input Jack 1 x PS/2 3 x RS-232 COM port 1 x RS-232/422/485 COM port 1 x RJ-12, 12V/24V Cash Drawer Port 1 x RJ-45 for GbE LAN 8 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x DVI port 1 x VGA port 1 x Line in, 1 x Line out, 1 x MIC in 1 x 24V DC Output Jack		<b>Dimension (WxHxD) (mm)</b>	363 x 322 x 80	400 x 380 x 107
			<b>Operation Temperature (°C)</b>	0°C~45°C	
			<b>Storage Temperature (°C)</b>	-20°C~80°C	
			<b>Net Weight</b>	10.2 kg	13.4 kg
			<b>IP Level (front panel)</b>	IP 64	
			<b>EMC</b>	CE, FCC, CCC	
			<b>Safety</b>	UL, CB	
			<b>Touch Screen</b>	Resistive Type 5-Wire (touch controller IC is on board) or Capacitive type touch screen without CF slot	
			<b>Power Adapter</b>	ACE-D825AH: 252W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC at 15A, 24VDC at 3A	
			<b>Power Consumption</b>	102 W	127 w

Note: Optional 1.3MP Camera with Digital Microphone Module

### Options

Options	Model name
Panel mount kit	AFLPK-315A / AFLPK-317A
Wall mount kit	AFLWK-19
Stand	STAND-210-RS
	STAND-A26
ARM	ARM-11-RS/ARM-31-RS

### Packing List

1 x Power Cable
1 x Utility CD
1 x Screw Kit
1 x Touch Pen
1 x 252 W PSU

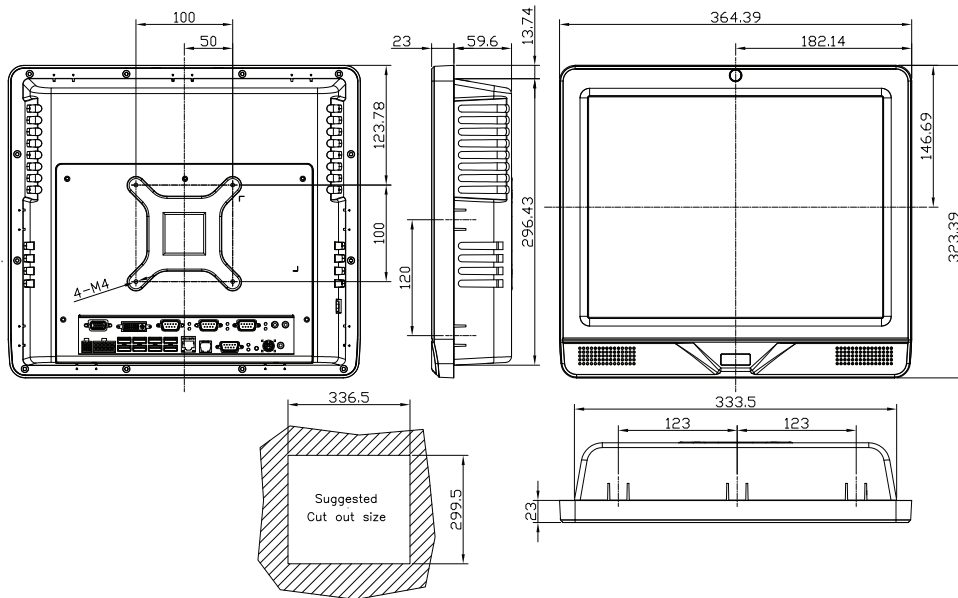
### Ordering Information

<b>AFL-315AB-945-E2160/WT-R/1GB/160G</b>	15" 350cd/m <sup>2</sup> XGA panel PC w/ Dual-Core E2160 1.8GHz CPU,1GB DDR2 RAM, 160G SATA HDD,802.11 a/b/g wireless module, touch screen, 2MP Camera, Bluetooth, black color
<b>AFL-315AW-945-E2160/WT-R/1GB/160G</b>	15" 350cd/m <sup>2</sup> XGA panel PC w/ Dual-Core E2160 1.8GHz CPU,1GB DDR2 RAM, 160G SATA HDD,802.11 a/b/g wireless module, touch screen, 2MP Camera, Bluetooth, white color
<b>AFL-317AB-945-E2160/WT-R/1GB-R10</b>	17" 300cd/m <sup>2</sup> SXGA panel PC w/ Dual-Core E2160 1.8GHz CPU,1GB DDR2 RAM, 802.11 a/b/g wireless module,touch screen, 300K pixel Camera with microphone, Bluetooth,black color
<b>AFL-317AW-945-E2160/WT-R/1GB-R10</b>	17" 300cd/m <sup>2</sup> SXGA panel PC w/ Dual-Core E2160 1.8GHz CPU,1GB DDR2 RAM, 802.11 a/b/g wireless module,touch screen, 300K pixel Camera with microphone, Bluetooth,white color

Note: Optional 1.3MP Camera with Digital Microphone Module

### Dimensions (Unit: mm)

#### AFL-315A



#### AFL-317A

