

AFO LUX All-in-One Touch Panel PC Series



**AFL-317A
KIOSK Panel PC**



One fits All!



AFL-317AB



AFL-317AW

• KIOSK Ready System

• High Performance Core™2 Duo Platform

• One Solution fits All

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

KIOSK Ready System

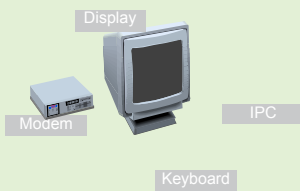
Easy to Installation

- ✓ **Light Weight**
13.4 kg Only
- ✓ **Slim Type**
107 mm ultra slim design
- ✓ **Smart Mechanism**
Back IO design allows easy cables arrangement and installation



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-to-art built in functions packaging

- ✓ **Space saving**
- ✓ **Cost saving**
- ✓ **Without peripherals searching time**
- ✓ **Without cables Installation**

AFL-317 KIOSK Ready System



WIN!

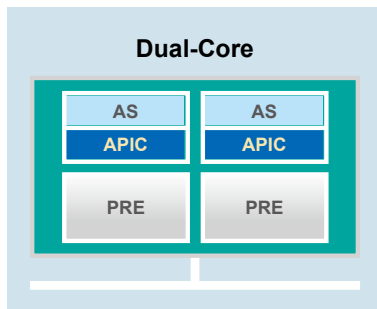
All-in-one system with sophisticated appearance Ideal for third-party enclosure

Powerful Computing

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

- 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.)

TDP 50% ↓

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	2X2M	130W
	950	3.4G			130W

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.



Strong Multimedia

AFL-317A provides outstanding image quality and high performance for immersive multimedia play. 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 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-317A built-in CMOS camera module is specially designed and fabricated for KIOSK applications.

The camera module combines 2 digital microphones and a VGA 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 VGA mode at 30 fps.

• 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



HR Employees/Job Applications Kiosk



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



IP-64 Speaker



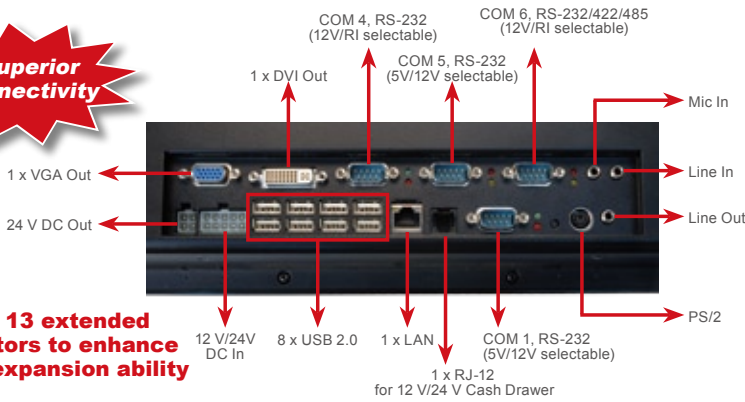
Adjustable Stand (STAND-B19)

Rich Connectivity

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



Total 13 extended connectors to enhance system expansion ability

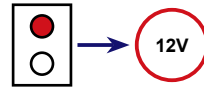


• Four RS-232 with selectable 5V/12V/RI to connect diverse

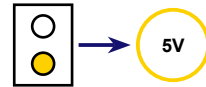


LED indicator for identifying power status selected by jumper (Red:12V/Yellow:5V/Green: RI)

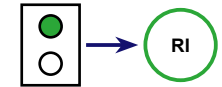
Indicator sparkle in red: RS-232 with 12V power setting



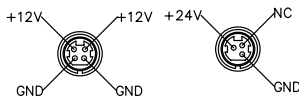
Indicator sparkle in yellow: RS-232 with 5V power setting



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



• Power supply provides additional 12V and 24V power supply for peripheral power requirement

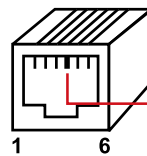


Extra 24V power Connector for peripheral power requirement



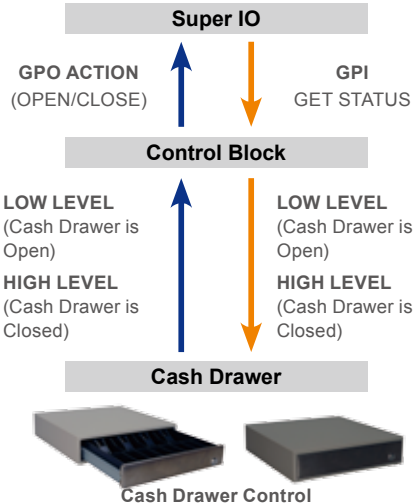
• Cash drawer port via RJ-12 with 12 V/24 V power

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

Digital I/O control diagram



IEI ISMM cash drawer status monitoring

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



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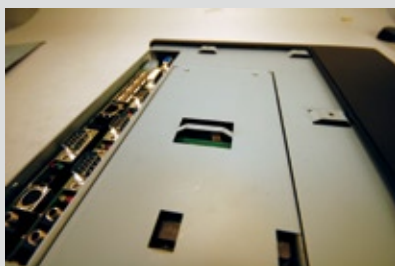
Cash Drawer controlled by Digital IO

Application Program

Self-development system program

● Easy Access Drive Bay

Easy access storage drive bay design for quick storage installation without any trouble



Easy HDD and CF Card Installation

● Specifications



AFL-317AB-945
(Black color)



AFL-317AW-945
(White color)

LCD Size	17"	Brightness (cd/m ²)	300
Max Resolution	1280 x 1024	SSD	CF Type II
Contrast Ratio	800:1	Watchdog Timer	Software Programmable supports 1~255 sec. System reset
LCD Color	16.7M	Audio	AMP 1.5W+AMP 1.5W (Built-in Stereo Speakers)
		Camera	300K pixel with Digital Microphone
Pixel Pitch (mm)	0.264(H) x 0.264(V)	Expansion	1 x PCIe mini card
Viewing Angle (H-V)	160(H) / 160(V)		1 x Mini PCI Interface (Wireless LAN 802.11 a/b/g Module)
Backlight MTBF	50,000 hrs	1 x Bluetooth module (USB interface, Bluetooth V2.0)	
SBC Model	AFLMB-9454	HDD Drive Bay	1 x 3.5" SATA HDD bay or 1 x 2.5" SATA HDD bay
		ODD Drive Bay	1 x slim type ODD bay
CPU	Intel® Dual Core Desktop Processor(E2160) 1.8GHz or others	Construction Material	ABS + PC Plastic front frame
Chipset	Intel® 945G	Mounting	Panel, Wall, Stand and Arm (VESA 100mm x 100mm)
Memory	DDR2 1GB support up to 4GB	Front Panel Color	Black or White
	1 x 12V/24V DC Input Jack	Dimension (WxHxD) (mm)	400 x 380 x 107
	1 x PS/2	Operation Temperature (°C)	0°C~45°C
	3 x RS-232 COM port	Storage Temperature (°C)	-20°C~80°C
	1 x RS-232/422/485 COM port	Net Weight	13.4 kg
	1 x RJ-12, 12V/24V Cash Drawer Port	IP Level (front panel)	IP 64
	1 x RJ-45 for GbE LAN	EMC	CE, FCC, CCC
	8 x USB 2.0	Safety	UL, CB
	1 x Power Switch	Touch Screen	Resistive Type 5-Wire (touch controller IC is on board)
	1 x Reset Button	Power Adapter	ACE-D825AH: 252W
	1 x DVI port		Input: 90VAC~264VAC @ 50/60Hz
	1 x VGA port	Output: 12VDC at 15A, 24VDC at 3A	
	1 x Line in, 1 x Line out, 1 x MIC in	Power Consumption	127 w
1 x 24V DC Output Jack			

● Options

Options	Model name
Panel mount kit	AFLPK-317A
Wall mount kit	AFLWK-19
Stand	STAND-A19/STAND-B19
	STAND-210-RS
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

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