

# IEI Panel Solutions



Heavy Industrial Market



Light Industrial Market



## Solution I Display System

### Light Industrial Panel PC



#### 1. AFOLUX Panel PC

- 5.7" ~ 19" IP64 all-in-one panel PC
- Wireless connectivity
- Bluetooth communication
- HSUPA mobile communications (optional)
- Touch Panel



#### 2. AFOLUX Vertical Market Panel PC

- **3 series** - KIOSK application
- **4 series** - In-wall application
- **5 series** - Fan-less dual core PPC
- **6 series** - 26"/42" Large size solution
- **ACT series** - RFID solution



#### 3. Transaction System

- **Light POS Solution** (AFL-12B-LXPOS/AFL-15A-LXPOS)
- **Mini POS Solution** (EP-308A Mini POS )
- **Hinge Design POS** (EP-16x POS)
- **Modular Construction POS** (EP-26x POS)

### Heavy Industrial Panel PC



#### 1. Industrial Panel PC

- **PPC-27 series** Compact Size PPC
- **PPC-37 series** Slim Type PPC
- **PPC-51 series** Upgrading High Performance PPC
- **PPC-53 series** Multiple Expansion Interface PPC



#### 2. Industrial Vertical Market Panel PC

- **WIDS series** - Wireless Panel Mount PPC
- **UPC series** - UPS PPC
- **SAILOR series** - Full IP67 PPC

## Solution II Display Monitor

### Light Industrial Monitor



- **AFOLUX Touch Monitor**
- 7" ~ 19" TFT LCD Monitor
- VGA/DVI/Component/Composite/S-Video multiple video inputs
- Picture-in-Picture (PIP) function
- Built-in speakers
- Ambient Light Sensor

### Heavy Industrial Monitor



- **Industrial Display Monitor** (DM series)
- **Sunlight Readable Monitor** (SRM Series)
- **Extended Temperature Display Monitor** (TDM series)
- **Open Frame LCD Monitor** (LCD-KIT series)
- **Touch Screen Kit Solution**

## Solution III Display Workstation



- **Industrial Workstation** (WS series)
- **Rack mount Workstation** (RPC/EC series)

## Solution IV Display Console



- **All-in-One Display Console** (ALOHA series)
- **LCD KVM Rack Console** (LKM series)

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# IEI Point-of-Sales System



## 08", 15" all-in-one touch POS PC

Designed for easy and simplified integration into point-of-sales (POS) application, IEI introduces the multi-function all-in-one touch POS.

The AFOLUX POS is equipped with an AMD Geode™ LX 800 allowing fanless operation with low power consumption, while still delivering multimedia performance for interactive setups.

The Enrich POS is equipped with an Intel® platform providing high performance and ensuring optimal memory, graphics, and peripheral support.

IEI's POS has an integrated wireless LAN module, touch screen, and multi peripheral device connections making it the ideal solution for retail and hospitality, and restaurant applications.



AFOLUX POS (12", 15")



Enrich POS-16x Series (15")

## IBX-700/800/900 Series Desktop POS PC

IBX-700/800/900 is a specially designed computer for POS business. The compact IBX POS PC can easily integrated with other devices, such as POS peripherals, monitors, etc. it's also perfect for kiosks.

### Features

- Comprehensive I/O interface for POS peripherals
- Versatile mounting suitable for diverse applications
- IP-64 compliant front panel for all-in-one POS system
- Built-in wireless LAN for remote communications
- Comprehensive interface for peripherals
- Selectable AT/ ATX power mode



IBX-700/800/900



EP-308A(08")



Enrich POS-26x Series (15")

## Built-in CPU Options

IEI provides the POS system with the newest and hottest CPU and chipset processor. IEI's POS PC offers high performance solutions to fulfill all the point-of-sales applications and keeps you being the leader in the POS industry.

Brand Name	Code Name	CPU No.	Clock Speed (MHz)	FSB	L2 Cache	TDP	Chipset	Available Item
Celeron M	Dothan	373	1.00	400	512KB	21W	910GMLE	IBX-700-910
		370	1.50	400	1MB	5.5W	915GME	IBX-700-915
	Merom	575	2.00	533	1MB	27W	GM45	EP-265E-GM45
Core Duo	Yonah	T2300E	1.66	667	2MB	31W	945GME	IBX-800-945GM
Celeron D	Cedar Mill	352	3.20	533	512KB	65W	945GM	IBX-900-945G
Pentium 4		651	3.40	800	2MB	65W	945G	IIBX-900-945G
Pentium Dual Core	Conroe	E2160	1.80	800	1MB	65W	945G	IBX-900-945G
Core 2 Duo	Wolfdale	E8400	3.00	1333	6MB	65W	Q35	IBX-900-Q35

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# Digital Signage Solutions



## IEI's Digital Signage Turnkey Solution










IEI provides the digital signage total solution including players, content creation software, and administrating console. IEI owns the great flexibility and know-hows to quick response to your needs and offer the qualified technology integration, seamless service and field consultancy.

### IEI Digital Signage Solution Advantages:
















**Turnkey Solutions:** Offers hardware, content design software and administration console

**Full Range Product:** Offers RISC-based and x86-based, Standalone Player vs. All-in-one Display

### RISC-based Product Line

Output Resolution	Standalone Player Solution	All-in-One Display Solution (System Board + LCD)	Administrating Console
<b>SD (1366x768)</b>	<b>SD (1366x768) Output</b> • iSignager-300 Series  iSignager-300	<b>Single-media zone display</b> • iSignager-Frame Series (W07/ 08/ W10/ W15)  iSignager-Frame-W07/08/W10    iSignager-Frame-W15	<b>Single-zone Content Building Software</b> • iSignager AdExpress For Frame  
<b>Full HD (1920x1200)</b>	<b>Full HD (1920x1200) Output</b> • iSignager-500A Series • iSignager-510H Series  iSignager-500A / iSignager-510H	<b>Multi-media zone display</b> • iSignager-LCD Series (10/15/17/19/26/42) • iSignager-LCD S Series (15/17/19/W19)  iSignager-LCD-W19    iSignager-LCD-15/17/19 iSignager-LCD-26/42	<b>Multi-zone Content Creation Software</b> • iSignager AdDesign   <b>Management Software</b> • iSignager AdAdministrator V3.x  

### X86-based Product Line

Standalone Player Solution	All-in-One Display Solution	Administrating Console
<b>RISC-based</b> • iSignager-300 Series  • iSignager-300 • iSignager-500A / 510H <b>x86-based</b>  • iSignager-800  • iSignager-1000	<b>RISC-based</b>  • iSignager-Frame-W07  • iSignager-Frame-08/W10 • iSignager-LCD-10  • iSignager-Frame-W15 • iSignager-LCD-15/17/19/26/42	<b>RISC-based</b>   • iSignager AdExpress For Frame   • iSignager AdDesign   • iSignager AdAdministrator V3.x <b>x86-based</b>  • iSignager AdAdministrator V4.x  • iSignager-AdAdministrator-Box/P651/Rack  • iSignager-AdAdministrator-Box/P651/Desktop

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# IEI Video Wall Controller/ Splitter

## Ultra High Resolution Video Controller/ Splitter for Multi-Screen Display Solution



**VWBOX-E122**  
1 Input with 4 Outputs (2x2)  
Up to 1920 x 1200 High-Resolution Input



**VWBOX-E133**  
1 Input with 9 Outputs (3x3)  
Up to 1920 x 1200 High-Resolution Input



**VWBOX-114P**  
1 Dual-link DVI Input to 4 DVI Outputs (4x1 & 1x4)  
Support Up to 4096 x 768 / 1360 x 3072 High-Resolution Input



**VWBOX-114**  
1 Input with 4 Outputs (4x1)  
Up to 4096 x 768 High-Resolution Input



**VWBOX-122A**  
1 Input with 4 Outputs (2x2)  
Up to 3840 x 2400 High-Resolution Input



**VWBOX-133A**  
1 Input with 9 Outputs (3x3)  
Up to 3840 x 3072 (5:4) & 4080 x 2304 (16:9) High-Resolution Input



## IEI Video Wall Controller

Connect a laptop or desktop PC directly to the video box for instant display on a large video wall. No special hardware is required, only a high resolution DVI output from the computer to the video box. The video box tiles together a group of small and inexpensive LCD panels to produce a large video screen.



LCD Monitor



HD Plasma Display



DLP

\*Please check before installation if the frequency of your displays are compatible with IEI VWBOXs.



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# IOVU Series PPC



**IOVU** (Input and Output Viewer) series enable the great embedded flexibility for RISC-based panel PC. Built with a XScale or Alchemy CPU, LCD display, touch screen, I/O peripherals, and pre-installed Windows® CE 5.0 or embedded Linux, the IOVU series provide the most cost-effective and stable solution for a diverse range of embedded RISC-based panel PC application. The supported software includes thin client technology, remote management tool, embedded OS SDK (software development kit) and BSP (board support package).

►► Equipped with RISC CPU and Windows® CE embedded OS, the IOVU Series panel PCs are with high-performance computing power, fan-less design, low-power consumption, wide operating temperature, and wide-input-voltage range.

►► The IOVU is designed for highly durable in harsh environments, due to its rugged, compact, low power consumption, and embedded system hardware design without failure-prone hard disk and fan. Each IOVU equips with a IP 65 or IP 64 compliant front panel to protect against accidental contacts of foreign bodies and against water.

►► Each IOVU is driven by an powerful RISC CPU with built-in WDT (Watchdog Timer) functions, has a touch screen TFT display, and comes with a series of integrated external peripheral connectors including Ethernet ports, Serial ports, Audio ports, CompactFlash™ slot, and optional wireless communication modules supporting WiFi 802.11 b/g, Bluetooth, GPS, or GSM/GPRS.



## IOVU Series Products

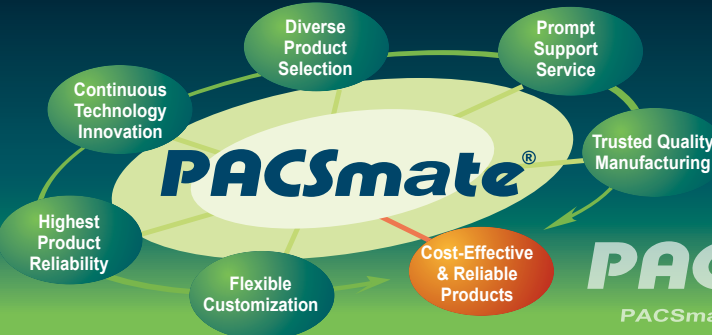
Model Name	IOVU-430M	IOVU-570M	IOVU-751R
<b>SYSTEM</b>			
CPU	XScale® PXA270 416 MHz	XScale® PXA270 MHz	Alchemy AU1250 500 MHz
Bootloader Storage	2 MB	2 MB	2 MB
RAM	128 MB SDRAM	128 MB SDRAM	256 MB DDR2
OS/Program Storage	1GB Mini secure digital card	1GB Secure Digital card	1GB Secure Digital card
<b>DISPLAY</b>			
LCD Size	4.3"	5.7"	7"
LCD Color	262 K	262 K	262 K
Display Resolution	WQVGA	VGA	WVGA
LCD Brightness (cd/m <sup>2</sup> )	500	400	400
Dot Pitch (mm)	0.066(H) x 0.198(V)	0.06(H) x 0.18(V)	0.064(H) x 0.191(V)
Viewing Angle (H-V)	100 / 60	140 / 100	140 / 100
Backlight MTBF	10000	25000	50000
Touch Screne	1. Projective-Capacitor Type 2. Resistor Type	Resistor Type	Resistor Type
Multimedia Support	MPEG 1	MPEG 1	MPEG 1/2/4 and WMV9
<b>I/O and COMMUNICATION</b>			
I/O Interface	1 x RS-232/422/485 (Software Controllable) 1 x Reset button 1 x 10/100Mbps LAN 1 x USB1.1 host 1 x CAN bus 2.0b 6 x GPIO 1 x 2pin Terminal block DC input 1 x Mini SD card slot	1 x RS-232/422/485 (Software Controllable) 2 x 10/100Mbps LAN 2 x USB1.1 host 1 x SD card slot 1 x Reset button 1 x On/Off power switch 1 x 2pin Terminal block DC input	1 x RS-232/422/485 (Software Controllable) 1 x RS-232 2 x 10/100Mbps LAN (one supports POE) 2 x USB2.0 host 1 x Reset button 1 x On/Off power switch 1 x 2pin Terminal block DC input 1 x Power jack
Audio	1.5W Speaker x 2	1.5W Speaker	1.5W Speaker x 2
Wireless LAN	N/A	802.11 b/g	N/A

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# PACSmate Medical Solutions

## Celebrate Humanity with Technology

PACSmate Technology Inc. is a professional medical solution provider, focusing on high-resolution medical displays and medical panel PC. Being the member of ICP Group, PACSmate benefits from the group manufacturing expertise as well as strategic and operational resources, allowing quick development of diverse medical-grade products. All PACSmate® medical products are ISO-9001, ISO-14000 and ISO-13485 compliant and are easily applied to a wide range of medical applications.



**PACSmate®**  
PACSmate Technology Inc.

### Diagnostic Medical Display



### PACS Diagnostic Application

High-Resolution Monochrome Monitor	MMD-5201M <b>12-bit 5MP</b>	MMD-3213M <b>12-bit 3MP</b>	MMD-2213M <b>12-bit 2MP</b>
LCD Size	20.1"	21.3"	21.3"
Resolution	2560 x 2048	2048 x 1536	1600 x 1200
Max. Luminance	Typical : 850cd/m <sup>2</sup> Calibrated: 600cd/m <sup>2</sup>	Typical : 800cd/m <sup>2</sup> Calibrated: 600cd/m <sup>2</sup>	Typical : 1000cd/m <sup>2</sup> Calibrated: 600cd/m <sup>2</sup>
High-Resolution Color Monitor	MMD-4300C <b>30-bit 4MP</b>	MMD-3213CH <b>30-bit 3MP</b>	MMD-2213CH <b>30-bit 2MP</b>
LCD Size	30"	21.3"	21.3"
Resolution	2560 x 1600	2048 x 1536	1600 x 1200
Max. Luminance	Typical : 370cd/m <sup>2</sup> Calibrated: 250cd/m <sup>2</sup>	Typical : 800cd/m <sup>2</sup> Calibrated: 550cd/m <sup>2</sup>	Typical : 950cd/m <sup>2</sup> Calibrated: 550cd/m <sup>2</sup>

### Clinical Reviewing Medical Display



### Modality/Clinical Reviewing Application

Monochrome Monitor	MMC-2201M	Color Monitor	MMC-2201C	MMC-1190C	MMC-1170C	POCM-1170C
LCD Size	20.1"	LCD Size	20.1"	19"	17"	17"
Resolution	1600 x 1200	Resolution	1600 x 1200	1280 x 1024	1280 x 1024	1280 x 1024
Max.Luminance	700cd/m <sup>2</sup> (typical)	Max.Luminance	300cd/m <sup>2</sup> (typical)			

### Medical Panel PC



Model Name	POC-5/A Series	POC-4/A Series	POC-4/B Series	POC-3/A Series	POC-3/B-A320 Series	POC-3/B-A330 Series
Feature	Fanless	Fanless	High-Performance	Multi-Purpose	With Back-Up Battery	With Back-Up Battery
LCD Size	17"	15"/17"/19"	17"/19"	17"	17"	17"
Chipset	Intel® GM45	Intel® 910GMEL	Intel® GME965	Intel® 915GME	Intel® GME965	Intel® 915GME
CPU	Intel® Core™2 Duo T9400-2.53G/ T7500-2.2G/ P8400 2.26G	Intel® Celeron® M373-1.0G/ Atom N270	Intel® Core™2 Duo T7500-2.2G/ CM550-2.0G	Pentium® M 760-2.0G	Intel® Core™2 Duo T7500-2.2G/ CM550-2.0G	Pentium® M 760-2.0G
2nd Display	VGA/ HDMI/ DisplayPort	VGA	VGA	VGA/ DVI	VGA/ DVI	VGA/ DVI
Power	AC 110~240V to DC 12V power adapter	AC 110~240V to DC 12V power adapter	AC 110~240V to DC 12V power adapter	AC 110~240V	AC 110~240V to DC 12V power adapter	AC 110~240V to DC 12V power adapter

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