

Service Automation All-in-One Panel PC



Your Affordable Luxury Panel PC
AFOLUX PPC





Today, more and more customers are looking for advanced services – e.g. round-the-clock servicing, just-in-time delivery, etc. Service automation enables the exchange of information and communication between administrators and clients through thin, low power consumption with portable designs fit with many circumstance.

Upgrade your service platform with service automation solutions, which have advanced communication functions and solid mechanical characteristic. These solutions help you keep up with your customers, while staying a step ahead of the competition.

AFOLUX Diverse Options for You

AFOLUX panel PC comes with complete platforms:







CPU	Chipset	Key Attributes	LCD Size								
			5.6"	5.7"	8.4"	10.4"	12.1"	15"	17"		19"
 	915 GM	Delivering outstanding computing performance and low-power enhancements. Therefore, the Intel platform series is a high stability and high reliable Panel PC.								➔	 Home Automation
 	CX	Designed around VIA CX700M chipset, the AFOLUX panel PC delivers high-end graphics capabilities as well as a low power consumption.								➔	 Factory Automation
 	LX	The fanless Panel PC supports the low power AMD Geode™ LX 800 processor. It is a powerful and compact panel PC ideally suited for operator interface applications.								➔	 Digital Signage
	690T	The AM2/690T dual-core processors delivers outstanding multi-tasking performance and advanced multimedia capabilities.								➔	

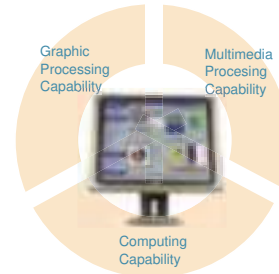
5.6" and 5.7" will be available in 2008 Q1

Will be available in 2008 Q1

Explore a Wider World of AFOLUX Panel PC

Platform Matrix

	Multimedia	Low Power Consumption
High Performance	  AMD AM2/690T VIA C7@/CX	 Intel® Pentium® M/915GM
Fanless	 VIA Eden@/CX 700M	  AMD Geode™ LX800 Intel® Celeron® M / 915GM



1. Multimedia Entertainment Platform



Traditional System AFOLUX PPC

	Embedded system + monitor	All-in-One Unit
Building cost	High	Low
Maintenance	Complicated	Easy
Appearance	a PC with lots of cables	Simple and Luxury
Space Occupy	High	Low

(1) Stylish Design and built-in Speakers

Stylish and compact unit with two built-in 3W speakers and one audio line-out extend voice functions for Kiosks, POS and advertising applications

(2) Selectable Power Mode

AT or ATX power selection enables versatile system control and reduces maintenance costs

(3) Wireless

Data update and transmission by wireless LAN

(4) VESA Mounting Support

VESA mounting design can conveniently mount AFOLUX in any environments

(5) Built-in Bluetooth Module

Bluetooth technology rids systems of cables and allows wireless connection to peripheral devices like headphones, printers, barcode readers or game controllers.



Interactive Kiosk



Digital Signage



POS



Gaming

2. Industrial Computing Platform



Fanless Design

(1) Fanless

Fanless design reduces system noise, ideal for medical applications.

(2) IP 64 Compliant Front Panel Protection

The IP 64 front panel ensures the AFL can operate in harsh environments and that the front panel can easily be kept clean with chemical cleanser

(3) User-friendly and easily accessible platform

(4) Touch Panel Screen

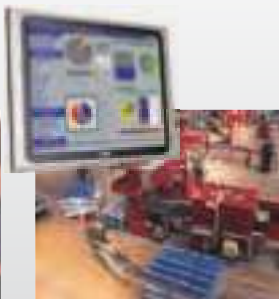
Resistive touch panel allows users to easily operate the system

(5) Optional HSDPA 3.5G/GPRS Module

Enabling easier access to the Internet through a WCDMA/GSM network



Medical Image Terminal



Industrial Automation



Network Security



Transportation

Enhanced Features



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

Connect More!



Headset for gaming device



Cellular phone control and monitoring of logistics service vehicles



Best Control Master

- Automatic detection of Bluetooth devices
- High speed USB 2.0 interface
- Direct communication between WLAN device and Bluetooth device through a collaborative coexisting design
- Performance maximization through data prioritization technology
- High connection efficiency supports both page scan and inquiry scan modes



An optional HSDPA/GPRS module on the AFOLUX all-in-one panel PC enables easier access to the Internet through a WCDMA/GSM network, allowing web browsing, corporate and Internet email, vehicle positioning, remote LAN access, document sharing and collaborative working.

Connect anytime !



Fleet Management



Railway Information System



Best Mobile Solution

- Send and receive data in packet transfer mode
- Efficient use of radio bandwidth
- Constant connectivity
- Cost effective
- High speed connection: downlink 7.2Mbps, uplink 384Kbps



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 antennas on the market today. PIFA enhances transmission and reception through a special cubic structure to ensure optimum wireless performance.

Connect Reliably !



Embedded PIFA Antenna



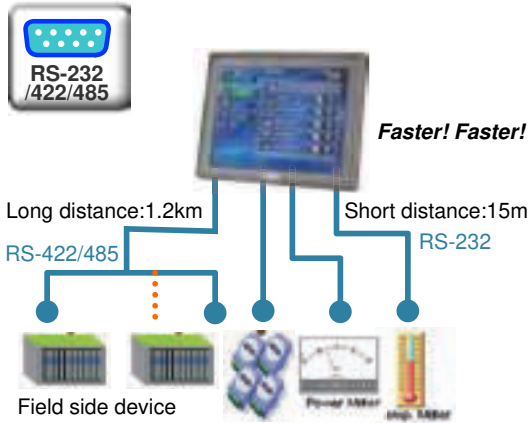
Home Automation

802.11 b/g Compliance for Complete Interoperability

The built-in PIFA antenna for WLAN 802.11b/g-reduces the hazard of network collisions and crashes or virus infections.

Extended Connectivity

RS-232/422/485 Fast Transmission



Specifications	RS-232	RS-422	RS-485
Mode of Operation	Single ended	Differential	Differential
Total Number of Drivers and Receivers on One Line (One driver active at a time for RS485 networks)	1 Driver 1 Receiver	1 Driver 10 Receiver	32 Driver 32 Receiver
Maximum Cable Length	50 FT.	4000 FT.	4000 FT.
Maximum Data Rate (40ft. - 4000ft. for RS422/RS485)	20kb/s	10Mb/s-100Kb/s	10Mb/s-100Kb/s
Maximum Driver Output Voltage	+/-25V	-0.25V to +6V	-7V to +12V
Driver Output Signal Level (Loaded Min.)	Loaded	+/-2.0V	+/-1.5V
Driver Output Signal Level (Unloaded Max)	Unloaded	+/-6V	+/-6V
Driver Load Impedance (Ohms)		100	54
Max. Driver Current in High Z State	Power On	N/A	+/-100uA
Max. Driver Current in High Z State	Power Off	+/-6mA @ +/-2v	+/-100uA
Slew Rate (Max.)		N/A	N/A
Receiver Input Voltage Range	+/-15V	-10V to +10V	-7V to +12V
Receiver Input Sensitivity	+/-3V	+/-200mV	+/-200mV
Receiver Input Resistance (Ohms), (1 Standard Load for RS485)	3k to 7k	4k min.	>=12k

Flexible Power Mode



AT/ATX Mode Selection

AT/ATX power mode flexibility allows you to select the most suitable power mode for your unique application requirements



In AT mode the AFOLUX panel PC automatically starts when the central plug is connected.



System Powered On/Off by Central Plug

Easily Power On/Off in mounting situation

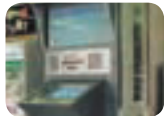
System booted by central plug not individual switch, conveniently used in mounting applications which is difficult to power the system by switch.



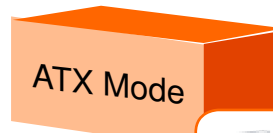
Wall Mount

Easily boot many systems

Enabling multiple systems through the central power unit.



Public Information KIOSK



In ATX mode the AFOLUX panel PC can be individually booted via remote network.



System powered on/off remotely via network

Power Saving

Standby mode activated, when the system is not used.



POS

Remote Control

Users can set up each panel PC to be turned on/off at different time via remote network.



Security Surveillance

Dual 10/100/Gigabit Ethernet Support



Allocating factory zone and data storage zone to reduce the network collision and crash or virus infection.



VGA OUT for Dual Display

(For AFOLUX Intel and AMD 690T/AM2 Solutions)



AFOLUX PPC

AFOLUX Monitor

Industrial Grade Compliance

Rugged Design

The AFOLUX panel PC are equipped with a drive kit to increase the resistance of the hard drive to sideshocks and vibrations. The drive kit extends the drive life cycle in environments such as vehicles and marine applications.



IP 64 Front Panel Compliance

The AFOLUX front panel is IP 64 compliant. IP 64 compliance guarantees the front panel is dustproof and water-proof. The AFOLUX front panel can withstand any industrial environment where dust and drizzle is encountered.



Quick Mounting Technology

VESA Mounting Standards

The AFOLUX panel PC series has four mounting holes compliant with the VESA mounting standard (75mm x 75mm/100mm x 100mm) on the rear panel for stand mounting and other mounting methods.

Stands

Easy Stand



Comfortable Stand



POS Stand



Panel Mount Kits



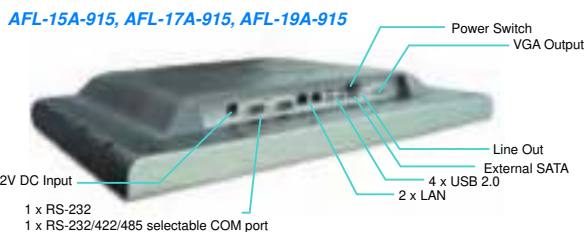
Wall Mount Kits



Intel® 915 Family Platform

	Fanless		Fanless		Fanless	
Model	AFL-15A-915	AFL-15B-915	AFL-17A-915	AFL-17B-915	AFL-19A-915	AFL-19B-915
LCD Size	15"	15"	17"	17"	19"	19"
Max Resolution	1024x768	1024x768	1280 x 1024	1280 x 1024	1280 x 1024	1280 x 1024
Brightness (cd/m ²)	350	350	300	300	300	300
Contrast Ratio	700:1	700:1	800:1	800:1	800:1	800:1
LCD Color	262K	262K	16.7M	16.7M	16.7M	16.7M
Pixel Pitch (mm)	0.297(H) x 0.297(V)	0.297(H) x 0.297(V)	0.264(H) x 0.264(V)	0.264(H) x 0.264(V)	0.294(H) x 0.294(V)	0.294(H) x 0.294(V)
Viewing Angle (H-V)	140(H) / 125(V)	140(H) / 125(V)	160(H) / 160(V)	160(H) / 160(V)	160(H) / 160(V)	160(H) / 160(V)
Backlight MTBF	50000 hrs	50000 hrs	50000 hrs	50000 hrs	50000 hrs	50000 hrs
SBC Model	AFLMB-9152-R10	AFLMB-9152-R10	AFLMB-9152-R10	AFLMB-9152-R10	AFLMB-9152-R10	AFLMB-9152-R10
CPU	Intel® Celeron® M (1.0GHz) with 512KB L2 Cache	Intel® Pentium® M Processor (up to 2.0GHz) Intel® Celeron® M processor	Intel® Celeron® M (1.0GHz) with 512KB L2 Cache	Intel® Pentium® M Processor (up to 2.0GHz) Intel® Celeron® M processor	Intel® Celeron® M (1.0GHz) with 512KB L2 Cache	Intel® Pentium® M Processor (up to 2.0GHz) Intel® Celeron® M processor
Chipset	Intel® 915GME/Intel® 910GMLE	Intel® 915GME	Intel® 915GME/Intel® 910GMLE	Intel® 915GME	Intel® 915GME/Intel® 910GMLE	Intel® 915GME
RAM	Supports One DDR2 SO-DIMM 1.0 GB(max.) /Two DDR2 SO-DIMM 2.0 GB (max.) (Operating Temperature :0°C~35°C)	Supports two 200-pin 2GB(maximum) 400MHz or 533MHz DDR2 SO-DIMM	Supports One DDR2 SO-DIMM 1.0 GB(max.) /Two DDR2 SO-DIMM 2.0 GB (max.) (Operating Temperature :0°C~35°C)	Supports two 200-pin 2GB(maximum) 400MHz or 533MHz DDR2 SO-DIMM	Supports One DDR2 SO-DIMM 1.0 GB(max.) /Two DDR2 SO-DIMM 2.0 GB (max.) (Operating Temperature :0°C~35°C)	Supports two 200-pin 2GB(maximum) 400MHz or 533MHz DDR2 SO-DIMM
I/O Ports and Switches	1 x External SATA 1 x RS-232 COM port 1 x RS-232/422/485 COM port 2 x RJ-45 for GbE 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x VGA port 1 x Audio	1 x External SATA 1 x RS-232 COM port 1 x RS-232/422/485 COM port 2 x RJ-45 for GbE 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x VGA port 1 x Audio	1 x External SATA 1 x RS-232 COM port 1 x RS-232/422/485 COM port 2 x RJ-45 for GbE 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x VGA port 1 x Audio	1 x External SATA 1 x RS-232 COM port 1 x RS-232/422/485 COM port 2 x RJ-45 for GbE 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x VGA port 1 x Audio	1 x External SATA 1 x RS-232 COM port 1 x RS-232/422/485 COM port 2 x RJ-45 for GbE 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x VGA port 1 x Audio	1 x External SATA 1 x RS-232 COM port 1 x RS-232/422/485 COM port 2 x RJ-45 for GbE 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x VGA port 1 x Audio
SSD	CF Type II	CF Type II	CF Type II	CF Type II	CF Type II	CF Type II
Watchdog Timer	Software Programmable supports 1~255 sec. System reset					
Audio	AMP 1.5W+AMP 1.5W	AMP 3W + AMP 3W	AMP 1.5W+AMP 1.5W	AMP 3W + AMP 3W	AMP 3W+AMP 3W	AMP 3W + AMP 3W
Expansion	1 x Wireless LAN Module (Mini PCIe Interface)	1 x Wireless LAN Module (Mini PCIe Interface)	1 x Wireless LAN Module (Mini PCIe Interface)	1 x Wireless LAN Module (Mini PCIe Interface)	1 x Wireless LAN Module (Mini PCIe Interface)	1 x Wireless LAN Module (Mini PCIe Interface)
HDD Drive Bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
Optional GPRS Module (support GSM 850, EGSM 900, DCS 1800 & PCS 1900)	N/A	Yes	N/A	Yes	Yes	Yes
Construction Material	ABS + PC Plastic front frame	ABS + PC Plastic front frame	ABS + PC Plastic front frame	ABS + PC Plastic front frame	ABS + PC Plastic front frame	ABS + PC Plastic front frame
LED Function	1 x Power ON/OFF LED on the front panel	1 x Power ON/OFF LED on the front panel	1 x Power ON/OFF LED on the front panel	1 x Power ON/OFF LED on the front panel	1 x Power ON/OFF LED on the front panel	1 x Power ON/OFF LED on the front panel
Mounting	Panel, Wall, Rack, Stand and Arm (VESA 100mm x 100mm)	Panel, Wall, Rack, Stand and Arm (VESA 100mm x 100mm)	Panel, Wall, Rack, Stand and Arm (VESA 100mm x 100mm)	Panel, Wall, Rack, Stand and Arm (VESA 100mm x 100mm)	Panel, Wall, Stand and Arm (VESA 100mm x 100mm)	Panel, Wall, Stand and Arm (VESA 100mm x 100mm)
Front Panel Color	Silver	Silver	Silver	Silver	Silver	Silver
Dimensions (WxHxD) (mm)	394 x 309 x 61	394 x 309 x 74.6	428 x 350 x 65	428 x 350 x 76	470x 383 x 67	470x 383 x 78.4
Operation Temperature (°C)	0°C~40°C with HDD 0°C~45°C with CF card or SATA interface 2.5" SSD HDD	0°C~40°C with HDD 0°C~45°C with CF card or SATA interface 2.5" SSD HDD	0°C~40°C with HDD 0°C~45°C with CF card or SATA interface 2.5" SSD HDD	0°C~40°C with HDD 0°C~45°C with CF card or SATA interface 2.5" SSD HDD	0°C~40°C with HDD 0°C~45°C with CF card or SATA interface 2.5" SSD HDD	0°C~40°C with HDD 0°C~45°C with CF card or SATA interface 2.5" SSD HDD
Storage Temperature (°C)	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C
Net Weight	3.7 Kg	5.8 Kg	5.4 Kg	5.8 Kg	5.8 Kg	6.2 Kg
IP Level (front panel)	IP 64	IP 64	IP 64	IP 64	IP 64	IP 64
EMC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC
Safety	UL, CB	UL, CB	UL, CB	UL, CB	UL, CB	UL, CB
Touch Screen	Resistive Type 5-Wire(touch controller IC is on board)	Resistive Type 5-Wire(touch controller IC is on board)	Resistive Type 5-Wire(touch controller IC is on board)	Resistive Type 5-Wire(touch controller IC is on board)	Resistive Type 5-Wire(touch controller IC is on board)	Resistive Type 5-Wire(touch controller IC is on board)
Power Adapter	Power: 60W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC	Power: 84W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC	Power: 84W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC	Power: 96W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC	Power: 84W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC	Power: 96W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC
Power Requirement	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC
Power Consumption	43W	63W (Intel® Pentium® M Processor 2.0GHz, 2GB memory, 40G HDD)	63W	80W (Intel® Pentium® M Processor 2.0GHz, 2GB memory, 40G HDD)	68W	82W (Intel® Pentium® M Processor 2.0GHz, 2GB memory, 40G HDD)

Fully Integrated I/O



Fully Integrated I/O

