

AFOLUX ACT Series

ACT-412A



12.1" EM/Mifare Access Control Terminal

Features:

- Intel® Atom™ processor N270 1.6 GHz CPU for ultra low voltage fan-less support
- Dual 125KHz-EM/13.56MHz-Mifare RFID reading capacity
- 12.1" TFT touch color screen, fully interface display, all operation can be done on the touch screen directly
- 2 DI and 2 DO provide device control applications
- Built-in 3W speaker & microphone for bi-direction voice communication or voice message
- 300K pixel web-camera for real-time image/video access and capture or facial identification
- 802.11 b/g wireless connection
- Integrated Bluetooth V2.0 connection
- Advanced in-wall mounting mechanism design
- Optional high speed 3.75G broadband connectivity
- IP64 Front panel watertight and dustproof is the perfect solution for harsh environments
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)

CMOS Camera with Low Light Function



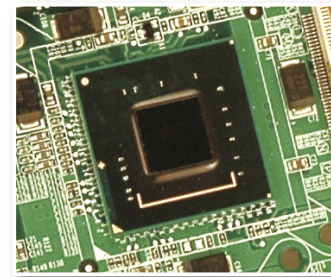
Digital Input & Output



- Automation Panel Solutions
- All-in-One Touch POS
- Digital Signage
- Video Wall Controller

Extremely Low Power Consumption

The 45 nm Intel® Atom™ processor N270 has a 1.60 GHz clock speed and a 533 MHz FSB with a 512 KB L2 cache. The Intel® Atom™ is interfaced through the 533 MHz FSB to an Intel® 945GSE graphics memory controller hub (GMCH) which is in turn interfaced through a high-speed direct media interface (DMI) to an Intel® Mobil ICH7-M I/O controller hub (ICH).



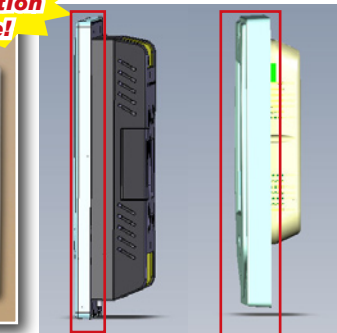
Processor	Intel® Atom™ N270 1.6G
Chipset	Intel® 945GSE / ICH7M
Memory	Supports one 2GB (maximum) 400MHz or 533MHz DDR2 SO-DIMM

In-Wall Mount

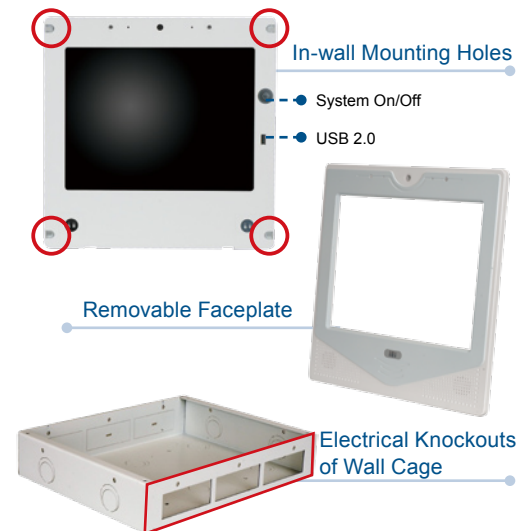
Using an in-wall mounting box allows you to achieve breath taking "picture frame" style installations.



Match your Decoration Style!

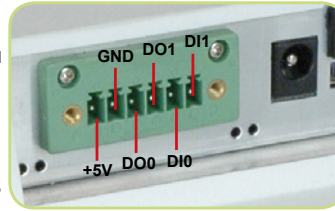
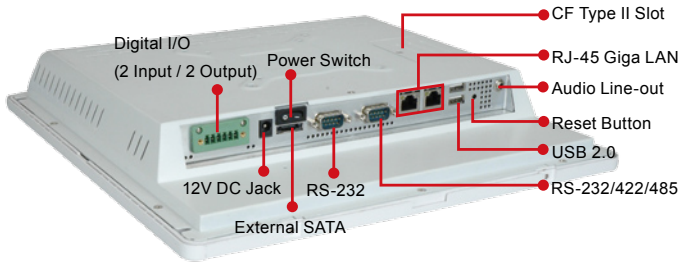


1cm Thick Only! Before



- RISC-based Solutions
- PACsmate Medical
- Optional Peripherals

I/O Interface



ACT-412A Specifications

Model	ACT-412A-N270	
Display	LCD Size	12.1"
	Max Resolution	1024 x 768
	Brightness (cd/m ²)	400
	Contrast Ratio	450 : 1
	LCD Color	262K
	Pixel Pitch (mm)	0.213mm (H) x 0.213mm (V)
	Viewing Angle (H-V)	120° / 100°
Motherboard	Backlight MTBF (hrs)	50000
	SBC Model	AFLMB-945GSE-N270-R10
	CPU	Intel® Atom™ process N270 1.6GHz CPU
	Chipset	Intel® 945GSE + ICH7M
I/O Ports	RAM	Supports one 400MHz or 533MHz DDRII SO-DIMM (2GB Max.)
	1 x RS-232 COM Port	
	1 x RS-232/422/485 COM port	
	2 x Giga LAN	
	3 x USB 2.0 (2 in the rar, 1 in front of the panel)	
	1 x Power Switch	
	1 x Reset Button	
	1 x 12V DC Jack	
	1 x Audio Line-out	
	1 x External SATA	
RFID Module	1 x 6 Pin Terminal Block for Digital I/O	
	Working Frequency	EM 125KHz and MIFARE 13.56MHz
	Reading Range	5 cm (Under 13.56MHz)/1~3 cm (Under 125KHz)
Drive Bay	SSD	CF TypeII
	HDD	1x 2.5" SATA HDD or optional HSUPA module
	HSUPA (Optional)	1 x HSUPA mobile module supports GSM 850, EGSM 900, DCS 1800 & 1900
2 x Digital Input		2 x Digital Output
1 x +5V		1 x GND

Other Features	Watchdog Timer	Software programmable supports 1~255 sec. System reset
	Audio	AMP 3W + 3W (internal speaker)
	Wireless	1 x Wireless Lan 802.11 b/g Module (internal PCIe mini card interface)
	Bluetooth	1 x Bluetooth Function (internal USB interface, Bluetooth V2.0)
	Webcam and Microphone	1 x Webcam with low light function & Mic Function
	LED Indicator	1 x Power On/Off LED on Front Panel
Physical	Construction Front Panel	ABS + PC Plastic front frame
	Mounting	In-Wall, Wall, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm
	Front Panel Color	Blue and White
	Net Weight	2.8 kg
Environment	Dimension (WxHxD) (mm)	312 x 314 x 52
	Operation Temperature (°C)	-10°C ~50°C
	Storage Temperature (°C)	-25°C ~ 65°C
	EMC	CE / FCC / CCC
	Safety	CB
Touch Screen	Resistive Type 5-Wire (Touch controller IC is on board) P/N: 63000-FSP050DBAB1405-RS	
Power Adapter	50W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	
Power Requirement	12VDC	
Power Consumption	39W	

Packing List

Item	P/N	Q'ty	Specifications
Touch Pen	XTR104-0002-RS	1	
Mini Jumper	33100-000033-RS	10	
External SATA Cable	32000-094100-RS	1	
Power Adapter	63000-FSP050DBAB1405-RS	1	50W, 90VAC~264VAC, 50/60Hz
Power Cord	32000-000002-RS	1	European Power Cord, 1830mm
Screw Kit		1	
Utility CD-ROM		1	

Options

Item	P/N	
ARM	ARM-11-RS / ARM-31-RS	
STAND	STAND-C19 / STAND-A19	
OS	Win CE6.0	ACTCF-412-N270-CE060-R10
	LINUX	ACTCF-412-N270-LNX-R10
	Win XPE	ACTCF-412-N270-XPE-R10
In-Wall Cage	ACTIWC-412-R10	
Wall Mounting	AFLWK-12	

Ordering Information

Model	Description
ACT-412A-N270/WT-R/1GB/**(HU01)-R10	12.1" 400cd/m ² XGA fanless panel PC with Intel® N270 1.6GHz, 802.11b/g wireless module, touch screen, MIFARE & ME RFID module, 1GB DDR2 533, RoHS

1
Automation Panel Solutions

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All-in-One Touch POS

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Video Wall Controller

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PACSmate Medical

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Optional Peripherals