

AFL-408A-N270**8.4" SVGA Fanless In-Wall Panel PC****AFL-408B-N270****8.0" SVGA Fanless In-Wall Panel PC****AFL-W410A-N270****Wide 10.2" SVGA Fanless In-Wall Panel PC****Features**

1. 8" ~ 15" TFT LCD with resistive touch screen.
2. Fanless system with Intel® Atom™ process N270 1.6GHz CPU
3. Changeable faceplate and sticker skin
4. In-wall mechanism design allows easy to installation in minutes
5. Digital I/O RJ-12 port that provides extension for peripherals such as a cash drawer device, lamp, alarms etc.
6. Build-in CMOS camera with digital microphone and two 1.5W speakers for multimedia applications
7. Enabling easier access to the internet through a HSUPA network (Optional)
8. Built-in bluetooth technology rids systems of cables and allows wireless connection to peripheral devices like head phones, keyboard and mouse
9. VESA-mountable for flexibility in mounting and deployment
10. Ambient light sensor detects ambient light for automated screen adjustments to optimize viewing.

Specifications

Model		AFL-408A-N270-R11	AFL-408B-N270-R11	AFL-W410A-N270-R11
Display	LCD Size	8.4"	8.0"	10.2"
	Max Resolution	800 x 600	800 x 600	1024 x 600
	Brightness (cd/m²)	400	300	400
	Contrast Ratio	400 : 1	400 : 1	400 : 1
	LCD Color	262K	262K	262K
	Pixel Pitch (mm)	0.213(H) x 0.213(V)	0.0675(H) x 0.2025(V)	0.2175(H) x 0.2175(V)
	Viewing Angle (H-V)	120° / 100°	130° / 120°	140° / 110°
Motherboard	Backlight MTBF (hrs)	50000	30000	40000
	CPU	Intel® Atom™ process N270 1.6GHz CPU		
	Chipset	Intel® 945GSE + ICH7M		
	RAM	Supports one 200-pin 2GB (Maximum) 400MHz or 533MHz DDRII SO-DIMM		
I/O Ports		1 x RJ-45 for RS232 COM Port 1 x RJ-45 for RS-232/422/485 COM port 1 x RJ-45 for Giga LAN 5 x USB 2.0 (4 in the rear, 1 in front panel) 2 x Power Switch (Inside Front Panel & Rear cover) 1 x Reset Button 1 x RJ12 for Digital Input / Output 1 x Terminal Block for 10~28VDC Input 1 x VGA Port		
Drive Bay	HDD Drive Bay	N/A		
	SSD	CF Typell		
	HSUPA Mobile Solution (Optional)	N/A	N/A	1 x HSUPA Mobile Module (USB Interface)
Other Features	Watchdog Timer	Software programmable supports 1~255 sec. System reset		
	Audio	AMP 1.5W + 1.5W		
	Extension	Wireless Lan Module (PCIe Mini Card, 802.11 b/g LAN Module)		
		Bluetooth Module (USB Interface V2.0)	N/A	N/A
		Webcam & Mic Function	N/A	N/A
Physical	1 x Remote Controller (LCD On/Off; System Power On/Off; Volume; Brightness)			
	LED Function	1 x Power ON/OFF LED on Front Panel		
	Construction Material	ABS + PC Plastic front frame		
	Mounting	Panel, Wall, VESA 75mm x 75mm/ 100mm x 100mm		
	Front Panel Color	Black/ White/ Gray		
Environment	Net Weight	0.8Kg	0.8Kg	1.5Kg
	Dimension (WxHxD) (mm)	263.2 x 221.2 x 54.4	263.2 x 221.2 x 54.4	313.83 x 222.13 x 52.5
	Operation Temperature (°C)	0°C ~50°C	0°C ~50°C	0°C ~50°C
	Storage Temperature (°C)	-20°C ~60°C	-20°C ~60°C	-20°C ~60°C
	IP Level	IP64	IP64	IP64
Touch Screen	EMC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC
	Safety	CB	CB	CB
Power Adapter		Resistive Type 4-Wire (Touch controller IC is on board)	Resistive Type 4-Wire (Touch controller IC is on board)	Resistive Type 5-Wire (Touch controller IC is on board)
Power Requirement		10 ~ 28V DC-IN	10 ~ 28V DC-IN	10 ~ 28V DC-IN
Power Consumption		25W	25W	28W

1

Automation

2

Point of Service

3

Digital Signage

4

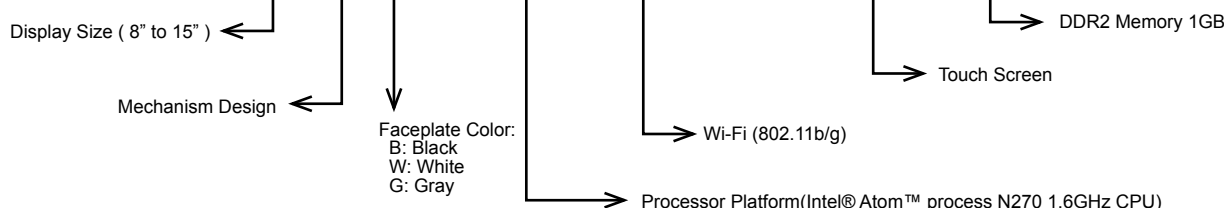
RISC-based Solutions

5

Medical Solutions

AFL-4xxx In-wall PPC Product Line Naming Rule

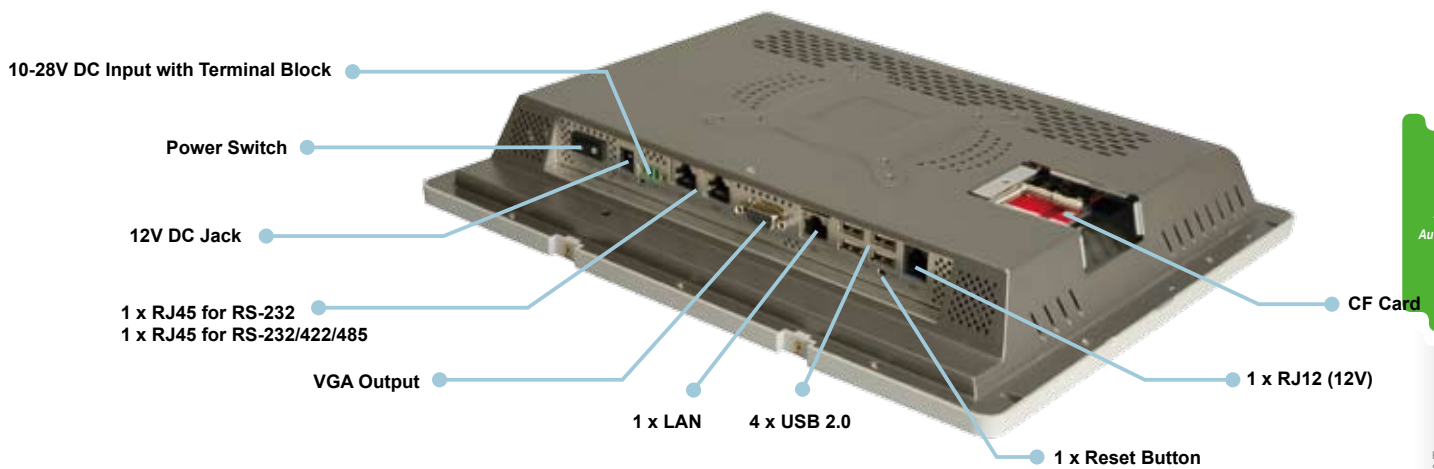
AFL-4 08 A B-N270 / W T-R/1GB-R11



Ordering Information

Model	Description
8"	AFL-408BB-N270/WT-R/1GB-R11 8.0" 300 cd/m ² , 800x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Touch screen and 10-28VDC Wide Range, Black color, R11, RoHS
	AFL-408BW-N270/WT-R/1GB-R11 8.0" 300 cd/m ² , 800x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Touch screen and 10-28VDC Wide Range, White Color, R11, RoHS
	AFL-408BG-N270/WT-R/1GB-R11 8.0" 300 cd/m ² , 800x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Touch screen and 10-28VDC Wide Range, Gray Color, R11, RoHS
8.4"	AFL-408AB-N270/WT-R/1GB-R11 8.4" 400 cd/m ² , 800x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Black color, R11, RoHS
	AFL-408AW-N270/WT-R/1GB-R11 8.4" 400 cd/m ² , 800x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, White Color, R11, RoHS
	AFL-408AG-N270/WT-R/1GB-R11 8.4" 400 cd/m ² , 800x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Gray Color, R11, RoHS
10.2"	AFL-W410AB-N270/WT-R/1GB-R11 10.2" 400 cd/m ² , 1024x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Touch screen and 10-28VDC Wide Range, Black color, R11, RoHS
	AFL-W410AW-N270/WT-R/1GB-R11 10.2" 400 cd/m ² , 1024x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Touch screen and 10-28VDC Wide Range, White Color, R11, RoHS
	AFL-W410AG-N270/WT-R/1GB-R11 10.2" 400 cd/m ² , 1024x600 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Touch screen and 10-28VDC Wide Range, Gray Color, R11, RoHS
12.1"	AFL-412AB-N270/WT-R/1GB-R11 12.1" 400 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Black color, R11, RoHS
	AFL-412AW-N270/WT-R/1GB-R11 12.1" 400 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, White color, R11, RoHS
	AFL-412AG-N270/WT-R/1GB-R11 12.1" 400 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Gray color, R11, RoHS
15"	AFL-415AB-N270/WT-R/1GB-R11 15" 350 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Black color, R11, RoHS
	AFL-415AW-N270/WT-R/1GB-R11 15" 350 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, White color, R11, RoHS
	AFL-415AG-N270/WT-R/1GB-R11 15" 350 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Gray color, R11, RoHS
15"	AFL-415AEB-N270/WT-R/1GB-R11 15" 250 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Black color, R11, RoHS
	AFL-415AEW-N270/WT-R/1GB-R11 15" 250 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, White color, R11, RoHS
	AFL-415AEG-N270/WT-R/1GB-R11 15" 250 cd/m ² , 1024x768 fanless In-Wall panel PC with Intel® Atom™ N270 1.6G CPU, 1GB DDR2 RAM, AT/ATX mode, 802.11b/g Wireless, Bluetooth, 300K Pixel Camera W/Microphone, Touch screen and 10-28VDC Wide Range, Gray color, R11, RoHS

Note: Optional 1.3MP Camera with Digital Microphone Module

1
Automation2
Point of Service3
Digital Signage4
RISC-based Solutions5
Medical Solutions

ISMM Support Functions

	Voltage	Fan	Smart Fan	Temperature	DIO	WDT	Beep	Cash Drawer
AFL-408A-N270	V			V	V	V	V	V
AFL-W410A-N270	V			V	V	V	V	V
AFL-412A-N270	V			V	V	V	V	V
AFL-415A-N270	V			V	V	V	V	V

Options

Model		AFL-408A-N270	AFL-408B-N270	AFL-W410A-N270	AFL-412A-N270	AFL-415A-N270	AFL-415AE-N270
Wall mounting kit		AFLWK-12				AFLWK-19	
ARM		ARM-11-RS / ARM-31-RS					
Stand		STAND-A08 / STAND-100-RS / STAND-150-RS		STAND-A12 / STAND-100-RS / STAND-150-RS		STAND-A19, STAND-B19, STAND-210-RS STAND-A19, STAND-B19, STAND-210-RS	
VSTAND		VSTAND-A10			VSTAND-A12	N/A	N/A
9~30VDC to 12VDC converter module		IDD-930160-KIT				N/A	N/A
OS	OS: Win CE 5.0 (128 MB CF card)	AFLCF-408A-N270-CE-R10		AFLCF-W410-N270-CE	AFLCF-412-N270-CE	AFLCF-415-N270-CE-R10	
	OS: Win CE 6.0 (128 MB CF card)	AFLCF-408A-N270-CE060-R10		AFLCF-W410-N270-CE060	AFLCF-412-N270-CE060	AFLCF-415A-N270-CE060-R10	
	OS: Win XPE (1 GB CF card)	AFLCF-408A-N270-XPE-R10		AFLCF-W410-N270-XPE	AFLCF-412-N270-XPE	AFLCF-415A-N270-XPE-R10	
	OS: Linux (2 GB CF card)	AFLCF-408A-N270-LNX-R10		AFLCF-W410-N270-LNX-R10	AFLCF-412-N270-LNX-R10	AFLCF-415A-N270-LNX-R10	
DC 12V Input UPS		AUPS-A10-R10				AUPS-B10-R10	
DC 9~36V Input UPS		AUPS-A20-R10				AUPS-B20-R10	
Faceplate (Black Color)		AFLFP-408A-B-R10	AFLFP-408B-B-R10	AFLFP-W410A-B-R10	AFLFP-412A-B-R10	AFLFP-415A-B-R10	AFLFP-415AE-B-R10
Faceplate (White Color)		AFLFP-408A-W-R10	AFLFP-408B-W-R10	AFLFP-W410A-W-R10	AFLFP-412A-W-R10	AFLFP-415A-W-R10	AFLFP-415AE-W-R10
Faceplate (Gray Color)		AFLFP-408A-G-R10	AFLFP-408B-G-R10	AFLFP-W410A-G-R10	AFLFP-412A-G-R10	AFLFP-415A-G-R10	AFLFP-415AE-G-R10
In-Wall Cage (Options)		AFLIWC-408-R10	AFLIWC-408-R10	AFLIWC-W410-R10	AFLIWC-412-R10	AFLIWC-415-R10	AFLIWC-415-R10

Note: Win CE application without digital microphone function

Removable Faceplate: AFLFP-4xxx-G-R10 AFLFP-4xxx-W-R10 AFLFP-4xxx-B-R10



Packing List

Item	P/N	Q'ty	Specifications
Screws	44233-030081-RS	4	M3; φ8mm
Power Adapter	63000-FSP0481AD101C-RS	1	90 ~ 264V 12v; 48W
Power Cable	32000-000002-RS	1	1750mm, European Standard
User's Manual CD ROM	7B000-000087-RS	1	
Touch Pen	XTR104-0002-RS	1	
Remote Control Unit	72000-8T00320ICP05G-RS	1	