17" SXGA AFOLUX Panel PC

AFL-17D-N270
Intel® Atom™ N270 1.6GHz

AFL-17D-GM45
Intel® Core™2 Duo T9400 2.53GHz Processor

Digital Camera:
300K Camera with Low Light Function

Deep Glossy Black Surface

5-key membrane keypad

HDMI HDMI High-Definition Multimedia Interface

(for GM45 systems)

Easy access CF card

Convenient USBs on the side

Built-in ODD (optional)

Specifications

Fanless

Model	AFL-17D-N270	AFL-17D-GM45
LCD Size	17"	
Max Resolution	1280 x 1024	
Brightness (cd/m²)	300	
Contrast Ratio	800 : 1	
LCD Color	16.7M	
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)	
Viewing Angle (H-V)	160º / 160º	
Backlight MTBF	50000 hrs	
SBC Model	AFLMB2-N270-R10	AFLMB2-GM45-R10
CPU	Intel® Atom™ processor N270 1.6GHz CPU	Intel® Celeron® M 575 2.0GHz CPU Intel® Core™ 2 Duo P8400 2.26GHz CPU Intel® Core™ 2 Duo T9400 2.53GHz CPU
Chipset	Intel® 945GSE + ICH7M	Intel® GM45 Chipset + ICH9M
RAM	Supports one 400MHz or533MHz DDR2 SO-DIMMs (2GB Max.)	Supports two 667MHz or 800MHz DDR2 SO-DIMMs (4GB max.)
I/O Ports	1 x RS- 232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x Audio Port 1 x VGA Port 1 x Power Jack	1 x RS-232 COM Port 1 x RS-232/422/485 COM Port 2 x RJ-45 for Giga LAN 4 x USB 2.0 1 x Power Switch 1 x Reset Button 1 x HDMI Port 1 x Audio Port 1 x VGA Port 1 x Power Jack
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 3W + 3W (internal speakers)	
Camera Module	300K pixel with digital microphone	
Wireless Connection	1 x Wireless LAN 802.11 b/g/n Module (internal PCIe Mini card interface)	
Drive Bay	1 x 2.5" SATA HDD bay, 1 x Slim Type CD-ROM bay	
Construction Front Panel	ABS + PC Plastic front frame	
Membrane Keypad	LCD On/Off, Brightness Up/Down, Volume Up/Down (5 keys)	
LED Function	1 x Power on/off LED on front panel	
Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm	
Front Panel Color	Black C	
Dimensions (WxHxD) (mm)	410 x 349 x 83	
Operation Temperature (℃)	0°C ~40°C with SATA HDD -10°C ~50°C with CF Card or SATA interface 2.5" SSD HDD	0ºC ~40ºC with SATA HDD 0ºC ~45ºC with CF Card or SATA interface 2.5" SSD HDD
Storage Temperature (℃)	-20°C ~60°C	
N/G Weight	6.2 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC / CB / CCC	
Touch Screen	5-wire resistive type (touch controller IC is on board) or Capacitive type touch screen without HDD bay	
Power Adapter	P/N: 63000-FSP084DMBA1308-RS 84W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	P/N: 63000-FSP150AHAN1808-RS 150W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
Power Requirement	12VDC	
Power Consumption	58W	90W

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2 Automation Panel Solutions

3 RISC-based Solutions

4 PACSmate Medical Solutions

5 Optional Peripherals

Fully Integrated I/O

● **AFL-17D-N270/AFL-17D-GM45**

2 x LAN
1 x RS-232
1 x RS-232/422/485
12V DC Input
Power Switch
Membrane Keypad
Reset Button
AT/ATX Switch
HDMI (for AFL-17D-GM45)

4 x USB 2.0
Line-out

VGA Output

● **AFL-17i-HM55**

VESA 100 x 100
2 x RJ-45 Giga LAN
4 x USB 2.0
1 x Line-out
1 x VGA
1 x HDMI
AT/ATX Switch
Reset Button
1 x RS-232
1 x RS-232/422/485

Membrane Keypad
• LCD on/off   • Brightness up
• Volume up   • Brightness down   • Volume down

12 V DC Input
Power Switch
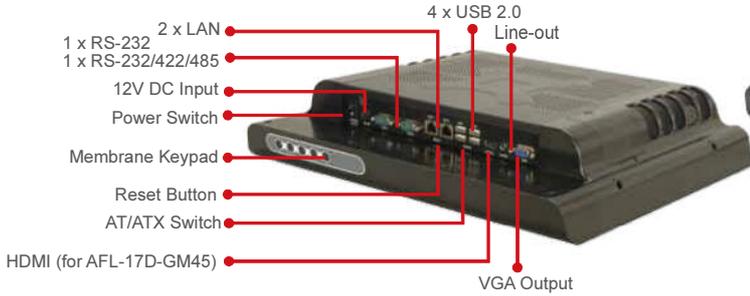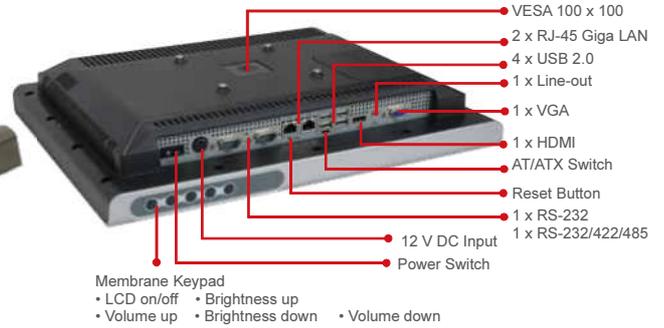
AFL-17D
Dimensions (Unit: mm)

371.21
83
42

Suggested
Cut out size
261
374

410
205
348.5
175.64

257.89

100
50
R-M3
100
48.72
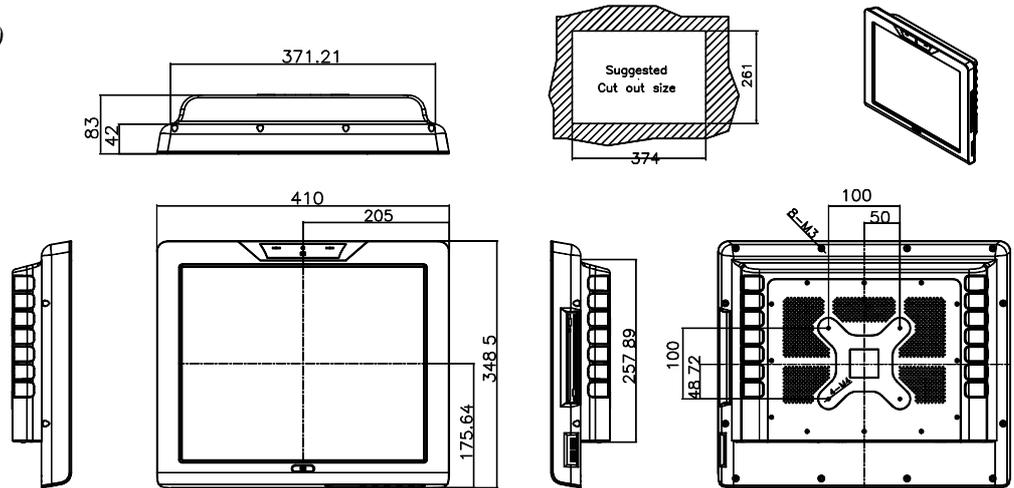
AFL-17i-HM55
Dimensions (Unit: mm)
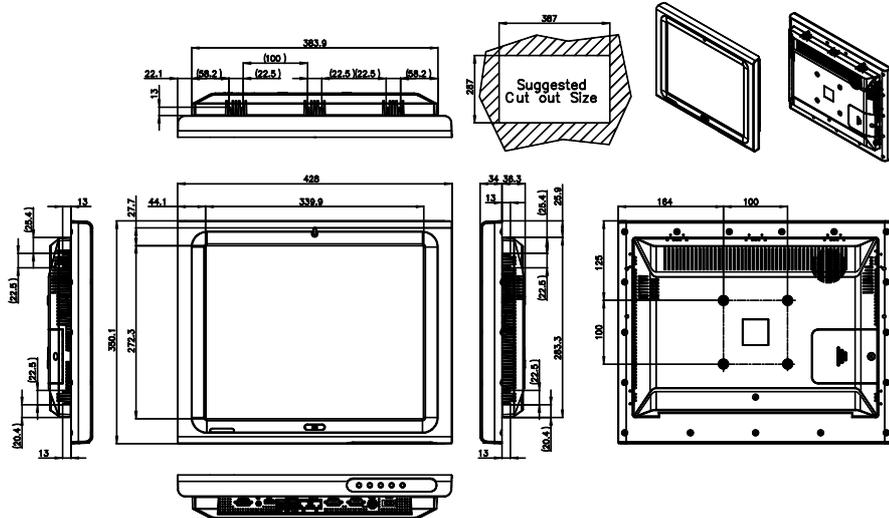
383.9
(100)
22.1
(58.2)   (22.5)   (22.5)(22.5)   (58.2)
1.3

387
287

Suggested
Cut out Size

428
339.9
27.7
44.1
13
350.1
272.3
(28.4)
(22.5)
(22.5)
(20.4)
13

34 38.3
13
(28.4)
25.9
(22.5)
283.3
(22.5)
(20.4)
13

184   100
125
100

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Optional
Peripherals

Ordering Information

Part Number	Description
AFL-17D-N270/R/1G-R22	17" 300cd/m² SXGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R22
AFL-17D-N270/RD/1G-R22	17" 300cd/m² SXGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-COMBO, R22
AFL-17D-GM45-CM5/R/1G-R22	17" 300cd/m² SXGA panel PC with Celeron® M 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R22, RoHS
AFL-17D-GM45-P84/R/2G-R22	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R22, RoHS
AFL-17D-GM45-T94/R/2G-R22	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, 300K camera, microphone, R22, RoHS
AFL-17D-GM45-CM5/RD/1G-R22	17" 300cd/m² SXGA panel PC with Celeron® M 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-RW, R22, RoHS
AFL-17D-GM45-P84/RD/2G-R22	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-RW, R22, RoHS
AFL-17D-GM45-T94/RD/2G-R22	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n Wi-Fi, touch screen, 300K camera, microphone, DVD-RW, R22, RoHS
AFL-17i-HM55-P45/R/1G-R11	17" 380cd/m² SXGA panel PC with Intel® Celeron® P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
AFL-17i-HM55i3-35/R/2G-R11	17" 380cd/m² SXGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
AFL-17i-HM55i5-52/R/2G-R11	17" 380cd/m² SXGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS
AFL-17i-HM55i7-62/R/2G-R11	17" 380cd/m² SXGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, R11, RoHS

ISMM Supported Functions

	Voltage	Fan	Smart Fan	Temperature	WDT
AFL-17i-HM55	V	V	V	V	V
AFL-17D-N270	V			V	V
AFL-17D-GM45	V	V	V	V	V

Packing List

Item	Part Number	Q'ty	Specification
Screw Pack	44013-030041-RS	4	M3;5mm
Power Adpater	63000-FSP084DMBA1308-RS 63000-FSP096AHB-RS 63000-FSP150AHAN1808-RS	1	90~264V AC; 12V DC; 84W (17A-915, 17D-N270) 90~264V AC; 12V DC; 96W (17i-HM55, 17C-965) 90~264V AC; 12V DC; 150W (17D-GM45)
Power Cord	32000-000002-RS	1	1750mm; European Standard
Utility CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
One Key Recovery CD		1	

Options

Model	AFL-17D-N270	AFL-17i-HM55	AFL-17D-GM45
Panel Mounting Kit	AFLPK-17D		AFLPK-17D
Wall Mounting Kit		AFLWK-19	
Rack Mounting Kit	AFLRK-17D-R11	AFLRK-17B-R11	AFLRK-17D-R11
Arm		ARM-11-RS / ARM-31-RS	
Stand		STAND-A19, STAND-B19, STAND-210-R11	
OS: Win CE 5.0 (128 MB CF card)	N/A	N/A	N/A
OS: Win CE 6.0 (128 MB CF card)	AFLCF-17-N270-CE060-R21	N/A	N/A
OS: Win XPE (1 GB CF card)	AFLCF-17-N270-XPE-R21	AFLSD-17-HM55-2G-XPE-R10 (2GB SATA SSD)	AFLCF-17-GM45-XPE-R10
OS: LINUX (2 GB CF card)	AFLCF-17-N270-LNX-R21	N/A	AFLCF-17-GM45-LNX-R10
OS: Win 7 Embedded (2GB CF card)	AFLCF-17-N270-WES7E-R21	AFLSD-17-HM55-4G-WES7E (4GB SATA SSD)	AFLCF-17-GM45-WES7E-R10
Hybrid Card Reader	N/A	AFLP-17BMSI-U	N/A
Magnetic Stripe Reader	N/A	AFLP-17BMSR-U	N/A
DC 12V Input UPS		AUPS-B10-R10 (VESA 100, DC 12V input, 12V output 100W UPS module with 3800mAH)	
DC 9~36V Input UPS		AUPS-B20-R10 (VESA 100, DC 9~36V input, 12V output 100W UPS module with 3800mAH)	
Bluetooth V2.0+EDR	AFL-BT-KIT04-R10	AFL-BT-KIT01-R10	AFL-BT-KIT03-R10

Note: Win CE application without digital microphone function

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