17" SXGA AFOLUX Panel PC

AFL-17i(E)-HM55

Intel® Core i7-620M 2.66GHz Processor (max.) New

AFL-517A-GM45

Intel® Core™ 2 Duo T9400 2.53GHz Processor



NEW HM55 Platform Features:

- Powered by high performance 2.66 GHz Intel® Core i7-620M CPU with Intel® HM55 chipset
- DDR3 1066MHz system memory up to 4GB
- HDMI port delivers high image quality on the second display
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)



Specifications

Fanless

Model	AFL-17i-HM55	AFL-517A-GM45
LCD Size	17"	
Max Resolution	1280 x 1024	
Brightness (cd/m²)	380	300
Contrast Ratio	800 : 1	
LCD Color	16.7M	
Pixel Pitch (mm)	0.264 (H) x 0.264 (V)	
Viewing Angle (H-V)	160° / 160°	
Backlight MTBF	50000 hrs	
SBC Model	AFLMB2-HM55-R10	AFLMB5-GM45-R10
CPU	Socket G (PGA989A) Intel® Core® i Arrondale processor	Intel® Core™ 2 Duo T9400 2.53GHz CPU
Chipset	Intel® HM55	Intel® GM45 Chipset + ICH9M
RAM	Two 204-pin 800/1066 DDR3 dual-channel SODIMMs supported (system max. 8GB)	Supports two 667MHz or 800MHz DDRII SO-DIMM(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 (Line-Out) 1 x VGA 1 x Power Jack 1 x HDMI Port	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 Diaplsy Port 1 x Audio Port 1 x VGA Port 1 x Power Jack
SSD	SATA SSD	CF TypeII
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 3W + 3W(internal speaker)	
Wireless Connection	1 x Wireless Lan 802.11 b/g/n Module (internal PCIe Mini card interface) 1 x Bluetooth Function	
Drive Bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay, 1 x Slim Type CD-ROM bay
Optional HSUPA Module	1 x HSUPA Mobile Module (USB Interface) (Optional)	
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 LED on Front Panel for Power ON/OFF	
Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm	
Front Panel Color	Sliver (877U) & Gray (ABSA2037)	
Dimensions (WxHxD) (mm)	428 x 350 x 71	428 x 350 x 79
Operation Temperature (°C)	0~50°	0°C ~40°C With SATA HDD 0°C ~45°C With CF Card or SATA interface 2.5" SSD HDD
Storage Temperayure (°C)	-20°C ~60°C	
N/G Weight	6.0Kg	7.5 Kg
IP Level	Front Frame IP64	
Touch Screen	Resistive Type 5-Wire (Touch controller IC is on board) or Capacitive type touch screen without HDD bay	
Power Adapter	P/N: 63000-FSP096AHB-RS 96W 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	85W	108W

17" SXGA AFOLUX Panel PC

AFL-17D-N270

Intel® Atom™ Processor N270 1.6GHz Processor

AFL-17D-GM45

Intel® Core™ 2 Duo T9400 2.53GHz Processor (max.)



Digital Camera:
300K Camera with Low Light Functionality

Deep Glossy Black Surface



5 key keypad



(for GM45 systems)



Accessible CF card



Convenient USBs in the side



Built-in ODD (optional)

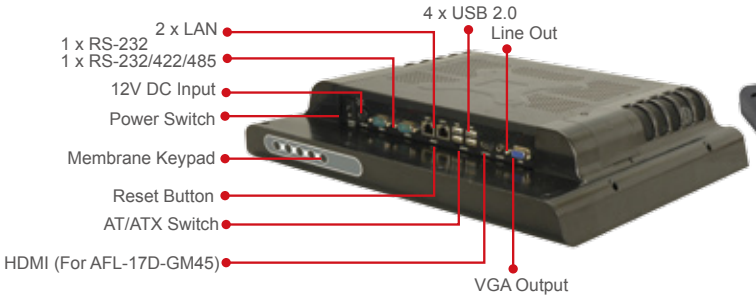
Specifications

Fanless

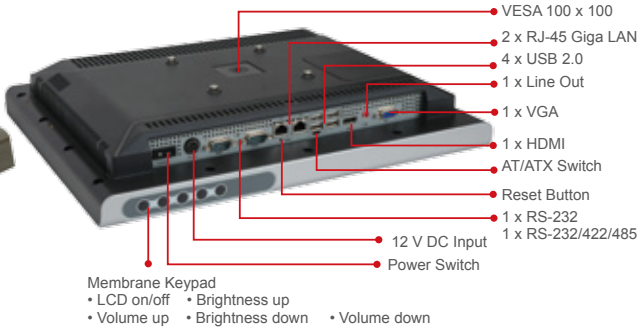
Model	AFL-17D-N270	AFL-17D-GM45
LCD Size	17"	
Max Resolution	1280 x 1024	
Brightness (cd/m²)	300	
Contrast Ratio	800 : 1	
LCD Color	16.7M	
Pixel Pitch (mm)	0.264(H) x 0.264(V)	
Viewing Angle (H-V)	160º / 160º	
Backlight MTBF	50000 hrs	
SBC Model	AFLMB2-N270-R10	AFLMB2-GM45-R10
CPU	Intel® Atom™ processor 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 DDRII SO-DIMM (2GB Max.)	Supports two 667MHz or 800MHz DDRII SO-DIMM(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 TypeII	
Watchdog Timer	Software programmable supports 1~255 sec. system reset	
Audio	AMP 3W + 3W (internal speaker)	
Camera Module	300K pixel with Digital Microphone	
Wireless Connection	1 x Wireless Lan 802.11 b/g/n Module (internal PCIe mini card interface), 1 x Bluetooth Function (internal USB interface, Bluetooth V2.0)	
Drive Bay	1 x 2.5" SATA HDD bay, 1 x Slim Type CD-ROM bay	
Optional HSUPA Module (support GSM 850, EGSM 900, DCS 1800 & 1900)	1 x HSUPA Mobile Module (USB Interface) (Optional)	
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 (°C)	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 Temperayure (°C)	-20°C ~60°C	
N/G Weight	6.2 Kg	
IP Level	Front Frame IP64	
Safety & EMC	CE / FCC / CB / CCC	
Touch Screen	Resistive Type 5-Wire (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

Fully Integrated I/O

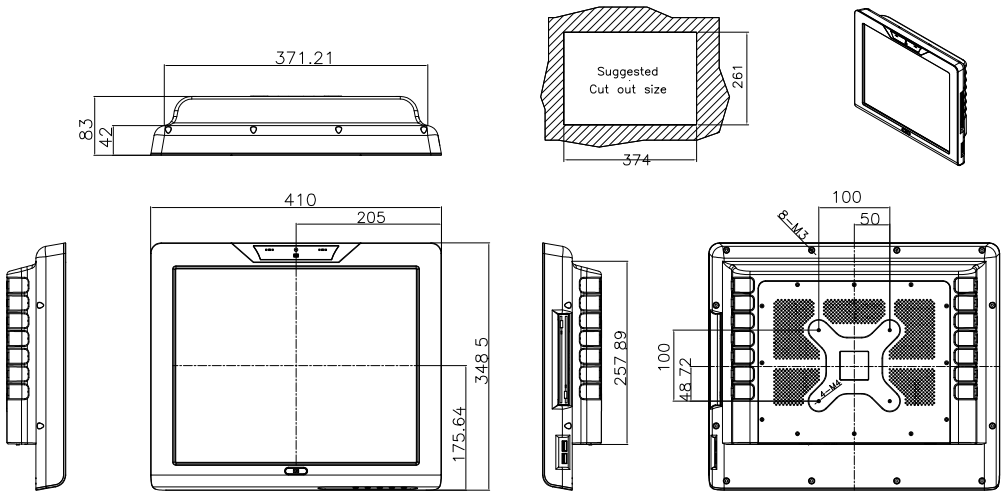
• AFL-17D-N270/AFL-17D-GM45



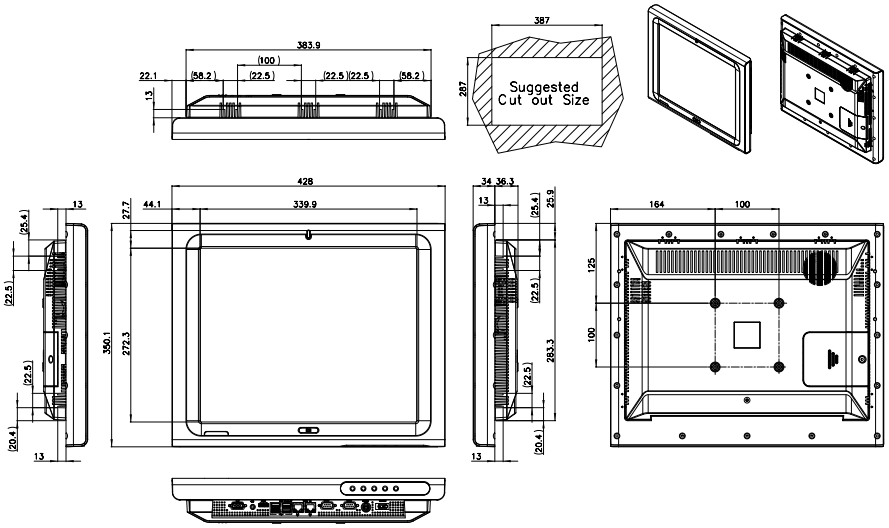
• AFL-17i-HM55



AFL-17D Dimensions (Unit: mm)



AFL-17i-HM55 Dimensions (Unit: mm)



Ordering Information

Part Number	Description
AFL-17D-N270/R/1G-R21	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, bluetooth, 300K camera, microphone, R21
AFL-17D-N270/RD/1G-R21	17" 300cd/m² SXGA fanless panel PC with Intel® Atom™ N270 1.6GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, bluetooth, 300K camera, microphone, DVD-COMBO, R21
AFL-17D-GM45-CM5/R/1G-R20	17" 300cd/m² SXGA panel PC with Celeron® M 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n wireless module, touch screen, bluetooth, 300K camera, microphone, R20, RoHS
AFL-17D-GM45-P84/R/2G-R20	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, bluetooth, 300K camera, microphone, R20, RoHS
AFL-17D-GM45-T94/R/2G-R20	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, bluetooth, 300K camera, microphone, R20, RoHS
AFL-17D-GM45-CM5/RD/1G-R20	17" 300cd/m² SXGA panel PC with Celeron® M 2.0GHz CPU, 1GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, bluetooth, 300K camera, microphone, DVD-RW, R20, RoHS
AFL-17D-GM45-P84/RD/2G-R20	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo P8400 2.26GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, bluetooth, 300K camera, microphone, DVD-RW, R20, RoHS
AFL-17D-GM45-T94/RD/2G-R20	17" 300cd/m² SXGA panel PC with Intel® Core™2 Duo T9400 2.53GHz CPU, 2GB DDR2 RAM, 802.11 b/g/n WiFi, touch screen, bluetooth, 300K camera, microphone, DVD-RW, R20, RoHS
AFL-17i-HM55-P45/R/1G-R10	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, bluetooth, R10, RoHS
AFL-17i-HM55i3-35/R/2G-R10	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, bluetooth, R10, RoHS
AFL-17i-HM55i5-52/R/2G-R10	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, bluetooth, R10, RoHS
AFL-17i-HM55i7-62/R/2G-R10	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, bluetooth, R10, RoHS

Note 1: Please order HSUPA02 for HSUPA function.

ISMM Support 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
Screws 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
Utilities CD	7B000-000087-RS	1	
Touch Pen	43125-0002C0-00-RS	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)		

Note: Win CE application without digital microphone function