

AFL-15i-HM55/AFL-17i-HM55/AFL-19i-HM55

15"~19" AFOLUX PPC features Intel® Core™ i7/i5/i3 processor with HM55 chipset


Leading Industrial PC Provider

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AFL-15i-HM55/AFL-17i-HM55/AFL-19i-HM55

15"~19" AFOLUX PPC features Intel® Core™ i7/i5/i3 processor with HM55 chipset



Key Features

- 15"~19" multi-functional Panel PC with touch screen
- Powered by high performance Intel® mobile Core™ i7/ i5/ i3 and Celeron® processor with Intel® HM55 chipset
- System memory supports dual-channel DDR3 SDRAM SO-DIMM up to 8GB
- HDMI interface provides second display vivid image quality
- 802.11 b/g/n high speed wireless
- Dual Gigabit Ethernet
- Versatile mounting solution: Panel/Wall/Rack/Stand mounting
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery






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







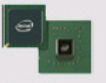
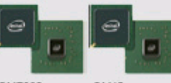

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New Intel® Core™ i7/i5/i3 Mobile Solution

The Best Performance Grade in AFOLUX PPC

Generation	Pentium® M		Core™ Duo / Solo		Core™2 Duo		Core i
	130 nm	90 nm	65 nm		45 nm		32 nm
FSB	400 MHz	533 MHz / 400 MHz	677 MHz / 533 MHz		800 MHz / 667 MHz	1066 MHz / 800 MHz	N/A
Architecture	Banias  Socket 479	Dothan  Socket 479	Yonah  Socket M	Napa Refresh  Socket M	Santa Rosa  Socket P	Penryn  Socket P	Arrandale  Socket G1
TDP	24.5 W	21 W	31 W	34 W	35 W	35 W	37W
Platform							

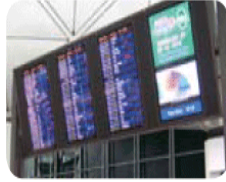
AFOLUX PPC Mobile Chipset Transition

The AFOLUX PPC i series features 2010 new Intel® Core™ i processor with HM55 chipset. Advanced technologies like Hyper-Threading Technology and an integrated graphics core increase in graphics core effectiveness providing outstanding audio/video and processing performance.

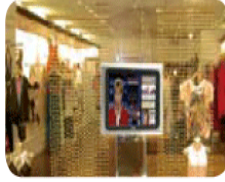
	2008	2009	2010
Platform	Merom in Santa Rosa (GME965)	Penryn in Montevina (GM45)	Arrandale in Calpella (HM55)
CPU	Intel® Core™ 2 Duo Intel® Core™ 2 Duo LV Intel® Celeron® M	Intel® Core™ 2 Duo Intel® Core™ 2 Duo LV Intel® Core™ 2 Duo ULV Intel® Celeron® M Intel® Celeron® M ULV	Socket G1 for Intel® mobile Core™ i7/ i5/ i3 and Celeron® processor 
Chipset	ICH8M-E	ICH9M	HM55
FSB	667/800 MHz	1066/800/667 MHz	N/A
TDP	35 W	17.5 W~47 W (CPU + GM45/GS45)	15~37W 

Supported Memory	DDR2 533/667 (system max. 4GB)	DDR2 667/800 (system max. 4 GB)	Two 204-pin 4GB (max.) 800/1066MHz dual-channel DDR3 SDRAM SO-DIMM supported (System max. 8GB)
Graphics Cores	Gen 4.0	Gen 5.5 with 10 Execution Units DirectX10, Open GL 2.0	Gen 5.7 with 12 Execution Units DirectX10, Open GL 2.1
Second Display Interface	VGA	VGA, HDMI	VGA, HDMI

Applications



Information



Digital Signage



KIOSK



Internet KIOSK

Software OSD Utility

▲TOP



IEI patented system software settings utility allows users to adjust system settings from software under Windows environment instead of adjustment from the membrane keypad below the front panel.

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High Speed SATA Storage

The storage interface of AFL-15i/17i/19i-HM55 is SATA II 3Gb/s. Not only 2.5" SATA HDD bay can provide you economical capacity/cost ratio, but also additional 7+15pin SATA interface gives you more reliable and faster data rate than CF card.

Specifications	SATA Slim	CF Card
Capacity	1GB~16GB	128MB~16GB
Interface	SATA II 3.0G	50pin CF (IDE)
Data Transfer Rate	Read:90MB/sec. Write:60MB/sec.	Read:40MB/sec. Write:20MB/sec.
Vibration	20G(7~2000Hz)	20G(7~2000Hz)
Shock	1500G/0.5ms	1500G/0.5ms
Dimension(WxLxH)	54 x 39 x 4 mm	36.4 x 42.8 x 3.3 mm
SMART Function	Support	N/A
Security Function	Support	N/A



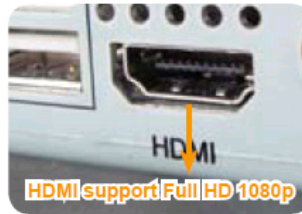
	2.5" SSD	Hard Disk
Data Transfer Rate	Read-230MB/sec. Write-160MB/sec.	Read-110MB/sec. Write-110MB/sec.
Capacity	8GB~128GB	80GB~1TB
Application	Operating System, Application Program	Operating Data, Media Data...



HDMI Port Delivers the High Image Quality on the Second Display

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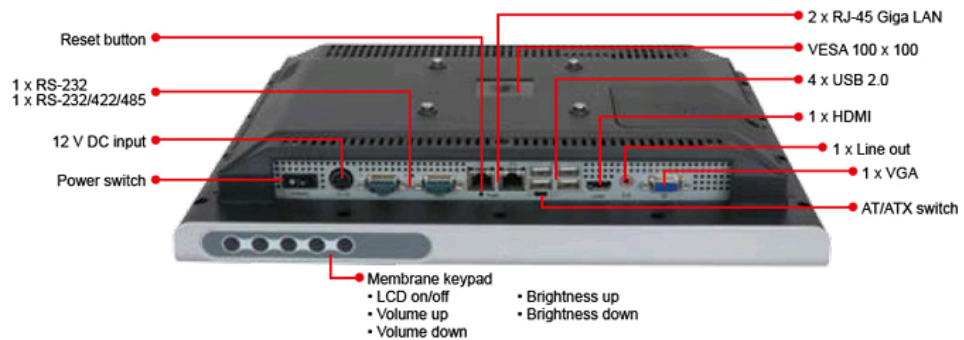
High-Definition Multimedia Interface (HDMI) which is a compact audio/video interface for transmitting uncompressed digital data delivering high-definition video support 1080p resolution which equates to 1,920x1,080 pixels, it also supports industry standard EIA-861B video modes including 480p, 720p, 1080i, and 1080p



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I/O Interface

Easily Accessible HDD and SATA Slim SSD



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Specifications

	AFL-15i(E)-HM55	AFL-17i-HM55	AFL-19i(E)-HM55
	LCD Touch Specification		
LCD Size	15"	17"	19"
Max Resolution	1024(W) x 768(H)	1280(W) x 1024(H)	1280(W) x 1024(H)
Brightness (cd/m ²)	350 or 250	380	450
Contrast Ratio	700:1 or 600:1	800:1	1000:1
LCD Color	16.2M	16.7M	16.7M
Pixel Pitch (mm)	0.297(H) x 0.297(V)	0.264(H) x 0.264(V)	0.294(H) x 0.294(V)
Viewing Angle (H-V)	140/125	160/160	178/178
Backlight MTBF	50,000	50,000	50,000
Touch Screen	Resistive Type 5-Wire (touch controller IC is on board) or capacitive type touch screen without HDD bay		Resistive Type 5-Wire (touch controller IC is on board)
	System		
SBC model	AFLMB2-HM55-R10		
CPU	Socket G (PGA989) Intel® Arrandale processor		
Chipset	Intel® HM55		
Memory	Two 204-pin 800 / 1066 DDR3 dual-channel SO-DIMM(system max. 8GB)		

IO ports	1 x RS-232 by DB9 1 x RS-232 or RS-422/485 by DB9 2 x GbE LAN by RJ-45 4 x USB connector 1 x HDMI Port 1 x Audio jack (line out) 1 x VGA port by DB15 1 x reset button 1 x Power Switch 1 x Power Jack		
Drive Bay	1 x 2.5" SATA HDD bay for SATA storage devices use		
SSD	SATA Slim SSD		
Watchdog Timer	Software programmable supports 1~255 sec. System reset		
Audio	AMP 3W + 3W (internal speaker)		
Membrane Keypad	LCD On/Off, Brightness Up/Down ,Volume High/Low		
LED Function	1 x Power ON/OFF LED on Front Panel		
WiFi	Wireless 1 x WiFi module 802.11 b/g/n (internal PCIe mini card interface)		
Bluetooth	1 x Bluetooth 2.1 + EDR (USB interface)		
Optional HSUPA module	optional 1 x HSUPA mobile module (USB interface)		
Construction Material	Physical ABS + PC Plastic front frame		
Mounting	Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm	Panel, Wall, Stand and Arm VESA 100mm x 100mm	
Front Panel Color	Sliver (877U) & Gray (ABSA2037)		
Net Weight	5.8 kg	6.0 kg	6.2 kg
Dimension (WxHxD) (mm)	394 x 309 x 75	428 x 350 x 76	470 x 383 x 79
Operation Temperature (°C)	Environment 0°C~50°C		
Storage Temperature (°C)	-20°C~60°C		
IP Level	Front Frame IP64		
EMC & Safety	CE / FCC / CB / CCC		
Power Adapter	Power P/N: 63000-FSP096AHB-RS 96W power adapter Input: 90VAC~264VAC, 50/60Hz Output: 12V DC		
Power Requirement	12V DC		
Power Consumption	80W	85W	87W

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Ordering Information

15" Regular Limnance (250cd/m ²)	AFL-15iE-HM55i3-35/R/2G-R10	15" 250cd/m ² XGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
	AFL-15iE-HM55i5-52/R/2G-R10	15" 250cd/m ² XGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
	AFL-15iE-HM55i7-62/R/2G-R10	15" 250cd/m ² XGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
	AFL-15iE-HM55-P45/R/1G-R10	15" 250cd/m ² XGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
15" High Limnance (350cd/m ²)	AFL-15i-HM55i3-35/R/2G-R10	15" 350cd/m ² XGA panel PC with Intel® Core™ i3-350M 2.26G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
	AFL-15i-HM55i5-52/R/2G-R10	15" 350cd/m ² XGA panel PC with Intel® Core™ i5-520M 2.4G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
	AFL-15i-HM55i7-62/R/2G-R10	15" 350cd/m ² XGA panel PC with Intel® Core™ i7-620M 2.66G CPU, 2GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
17" High Limnance (380cd/m ²)	AFL-15i-HM55P-P45/R/1G-R10	15" 350cd/m ² XGA panel PC with Intel® Celeron P4500 1.86G CPU, 1GB DDR3 RAM, 802.11 b/g/n wireless module, touch screen, Bluetooth, RoHS
	AFL-17i-HM55i3-35/R/2G-R10	17" 380cd/m ² 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/m ² 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/m ² 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
	AFL-17i-HM55-P45/R/1G-R10	17" 380cd/m ² 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
19" High Limnance (450cd/m ²)	AFL-19i-HM55i3-35/R/2G-R10	19" 450cd/m ² 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-19i-HM55i5-52/R/2G-R10	19" 450cd/m ² 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-19i-HM55i7-62/R/2G-R10	19" 450cd/m ² 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

Limunance
(450cd/m²)

AFL-19i-HM55-P45/R/1G-R10

19" 450cd/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

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Optional Modules

Model	AFL-15i-HM55	AFL-17i-HM55	AFL-19i-HM55
Panel mounting kit		AFLPK-19B	
Wall mounting kit		AFLWK-19 / AFLWK-19B	
Rack mounting kit	AFLRK-15B-R11	AFLRK-17B-R11	N/A
ARM		ARM-11-RS, ARM-31-RS	
Stand		STAND-A19, STAND-B19, STAND-C19, STAND-210-RS	
OS: Win XPE	AFLSD-15-HM55-2G-XPE (2GB SATA SSD module)	AFLSD-17-HM55-2G-XPE (2GB SATA SSD module)	AFLSD-19-HM55-2G-XPE (2GB SATA SSD module)
OS: Win 7	AFLSD-15-HM55-4G-WES7E-R10 (4GB SATA SSD module)	AFLSD-17-HM55-4G-WES7E-R10 (4GB SATA SSD module)	AFLSD-19-HM55-4G-WES7E-R10 (4GB SATA SSD module)
Hybrid Card Reader		AFLP-19AMSI-U	
Magnetic Stripe Reader		AFLP-19AMSR-U	
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)		

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Packing List

Item	Part Number	Q'ty	Specification
Power Cord	32000-000002-RS	1	1750mm;European Standard
Power Adapter	63000-FSP096AHB-RS	1	90~264V;12V;96W
Utilities CDROM	7B000-000087-RS	1	
Screw Kit	44013-030041-RS	1	
Touch Pen	43125-0002C0-00-RS	1	
Remote Controller	7Z000-8T003201CP05G-RS	1	

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