

# AFL2-15A-H61

Intel® 2nd Gen Core™ i7/i5/i3 Solution

# AFL2-W15B-H61

Intel® 2nd Gen Core™ i7/i5/i3 Solution



AFL2-15A-H61

## Features

- Flat-bezel LCD with LED backlight
- 2nd Generation Intel® Core™ i7/ i5/ i3, Pentium® and Celeron® processor
- Two 204-pin DDR3 SO-DIMM slot (system max. 16GB) preinstalled with 4GB (2GB x 2)
- Projected capacitive touchscreen and 5-wire resistive type touchscreen supported
- Wi-Fi 802.11b/g/n 2T2R high speed wireless
- EM or Mifare RFID reader
- Built-in 1.3-megapixel webcam with AF, AE and AWB capabilities
- Built-in two 2W speakers and microphone
- IP64 compliant front panel
- Auto dimming control
- Light fanless technology design
- K-type thermocouple temperature sensor
- Wide range 9~36 VDC input



## Specifications

	Model	AFL2-15A-H61	AFL2-W15B-H61
<b>LCD Specifications</b>	Size	15" (4:3)	15.6" (16:9)
	Resolution	1024 (W) x 768 (H)	1366 (W) x 768 (H)
	Brightness (cd/m²)	400	300
	Contrast Ratio	700:1	500:1
	LCD Color	262K/16.2M	16.7M
	Pixel Pitch (mm)	0.297 (H) x 0.297 (V)	0.252 (H) x 0.252 (V)
	Viewing Angle (H-V)	160° / 140°	170° / 160°
	Backlight MTBF	50,000 hrs (LED backlight)	50,000 hrs (LED backlight)
<b>System</b>	CPU	2nd Generation Intel® Core™ i7/ i5/ i3, Pentium® and Celeron® processor	
	Chipset	Intel® H61	
	RAM	Support two 204-pin DDR3 SO-DIMM slot (system max. 16GB) preinstalled with 4GB (2GB x 2)	
	Ethernet	Realtek RTL8111E PCIe GbE controller supports ASF 2.0	
	SSD	CF Type II socket	
	HDD	2.5" SATA 3Gb/s HDD bay	
	Input / Output	2 x RS-232 (DB-9 connector) GbE LAN (RJ-45 connector) on left side RS-422/485 (RJ-45 connector) 3 x USB 2.0 (two on the bottom, one on the left) 2 x USB 3.0 1 x Mini USB port on front panel 1 x Micro SD card slot on front panel Line out, MIC on left side	VGA port HDMI port Power switch AT/ATX switch Reset button Clear CMOS button 9 ~ 36V DC jack
	Expansion Interface	1 x PCIe Mini slot for Wi-Fi 1 x PCIe Mini slot reserved	
	Audio	AMP 2W + 2W (internal speaker)	
	Camera	1.3 megapixels with low light function	
<b>Other Features</b>	RFID Reader	EM 125 KHz or Mifare 13.56 MHz card reader (optional)	
	MSR Card Reader	MSR card reader (optional)	
	OSD Function	LCD on/off, brightness up/down, volume up/down, Hot Key	
	Ambient Light Sensor	Yes	
	Infrared Remote Controller	Yes	
	Touch Screen	5-wire resistive type or projected capacitive type touch screen	
	LED Light Bar	N/A	
	System Cooling	Light fanless (smart fan operates above default temperature setting)	
<b>Wireless</b>		1 x Wireless LAN 802.11 b/g/n module (internal PCIe Mini card interface) (Optional, internal USB interface, Bluebooth V2.0+EDR)	
	Construction Front Panel	PC + ABS Plastic	
<b>Physical</b>	Mounting	Wall, Stand, Arm VESA 100mm x 100mm	Panel, Wall, Rack, Stand, Arm VESA 100mm x 100mm
	Color	Black	
	Dimensions (WxHxD)(mm)	363.2 x 305.1 x 58.8	399.4 x 271.2 x 58.8
	Weight (N/G)	5.2 kg / 7.3 kg	4.5 kg / 6.5 Kg
<b>Environment</b>	Operating Temperature (°C) (Ambient with air flow)	-20°C ~ 50°C	
	Storage Temperature (°C)	-20°C ~ 60°C	
	Humidity	10% to 95% (non-condensing)	
	IP Level	IP 64 compliant front panel	
	Safety&EMC	CE / FCC	
<b>Power</b>	Power Supply	90W power adapter Input:100 V AC ~ 240 V AC, 50 / 60Hz, Output: 19 V DC	
	Power Requirement	9 ~ 36 VDC	
	Power Consumption	19V@3.42A (Intel® Core™ i3-2100T CPU with 4GB 1333 Mhz DDR3 memory)	19V@3.95A (Intel® Core™ i3-2120 CPU with 4GB 1333 Mhz DDR3 memory)

## Ordering Information

### AFL2-15A-H61

Part No.	Description		
<b>Core i5</b>	Resistive Touch	AFL2-15A-H61-i5/R-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-15A-H61-i5/R-EM-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i5/R-MF-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-15A-H61-i5/PC-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-15A-H61-i5/PC-EM-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i5/PC-MF-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
<b>Core i3</b>	Resistive Touch	AFL2-15A-H61-i3/R-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-15A-H61-i3/R-EM-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i3/R-MF-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-15A-H61-i3/PC-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-15A-H61-i3/PC-EM-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-i3/PC-MF-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
<b>Pentium</b>	Resistive Touch	AFL2-15A-H61-P/R-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-15A-H61-P/R-EM-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-P/R-MF-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-15A-H61-P/PC-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-15A-H61-P/PC-EM-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-15A-H61-P/PC-MF-R10	15" 400cd/m <sup>2</sup> XGA panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10

### AFL2-W15B-H61

Part No.	Description		
<b>Core i5</b>	Resistive Touch	AFL2-W15B-H61-i5/R-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-i5/R-EM-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i5/R-MF-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-W15B-H61-i5/PC-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-i5/PC-EM-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i5/PC-MF-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i5 Dual Core 2xxxT CPU (Above 2.7GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
<b>Core i3</b>	Resistive Touch	AFL2-W15B-H61-i3/R-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-i3/R-EM-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i3/R-MF-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-W15B-H61-i3/PC-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-i3/PC-EM-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-i3/PC-MF-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Core i3 Dual Core 2xxxT CPU (Above 2.5GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10
<b>Pentium</b>	Resistive Touch	AFL2-W15B-H61-P/R-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-P/R-EM-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-P/R-MF-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, MF card reader, R10
	Projected Capacitive Touch	AFL2-W15B-H61-P/PC-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, R10
		AFL2-W15B-H61-P/PC-EM-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, R10
		AFL2-W15B-H61-P/PC-MF-R10	15.6" 300cd/m <sup>2</sup> HD panel PC, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, 2GB DDR3 RAM*2, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, MF card reader, R10

## Options

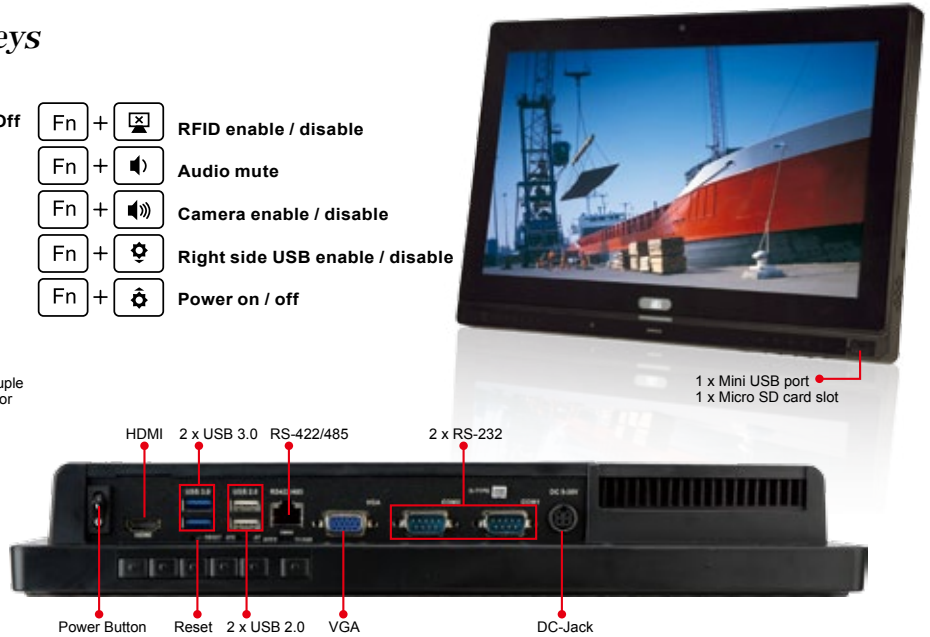
Item	AFL2-15A-H61	AFL2-W15B-H61
Panel Mounting Kit	N/A	AFL2PK-W15B
Wall Mounting Kit	AFLWK-19/AFLWK-19B	
Rack Mounting Kit	N/A	AFL2RK-W15B
Arm	ARM-11-RS/ARM-31-RS	
Stand	STAND-A19/ STAND-B19/ STAND-C19/ STAND-210-R11	
Hybrid Card Reader	AFL2P-12AMSU-R10	
Magnetic Stripe Reader	AFL2P-12AMSR-U-R10	
Bluetooth Module Kit	AFL2-BT-KIT01-R11	
OS: Win CE 6.0 (128MB CF Card)	AFL2CF-15A-H61-CE060-128M-R10	
OS: Win XPE (2GB CF Card)	AFL2CF-15A-H61-XPE-2G-R10	
OS: Win XPE (4GB CF Card)	AFL2CF-15A-H61-XPE-4G-R10	
OS: Linux (2GB CF Card)	AFL2CF-15A-H61-LNX-2G-R10	
OS: Win 7 Embedded (4GB CF Card)	AFL2CF-15A-H61-WES7P-4G-R10 (for Projected Capacitive Touch) AFL2CF-15A-H61-WES7E-4G-R10 (for Resistive Touch)	

## Packing List

Item	P/N	Q'ty	Description
Utility CD		1	drivers and user manual
One Key Recovery CD		1	
Power Adapter	63040-010090-020-RS	1	FSP090-D2BA1; 90~264VAC input; 90W; 19VDC output
Power Cord	32702-000401-100-RS	1	European, 1500mm
Power Transfer Cord	32702-000300-100-RS	1	
RJ-45 to DB-9 COM Port Cable	32005-000200-200-RS	1	
IR Remote Controller	7Z000-SLPCB005-RS	1	
M3 Screw Pack	44013-030041-RS	4	M3 x 4 for securing HDD
M4 Screw Pack	44033-040061-RS	4	M4 x 4 for VESA screw
Temperature Sensor Cable	32133-004300-100-RS	1	
Pen	43125-0002C0-00-RS	1	For Resistive Touch

### Function Keys

- |                  |   |                                 |
|------------------|---|---------------------------------|
| Fn               |   |                                 |
| Backlight On/Off | + | RFID enable / disable           |
| Audio -          | + | Audio mute                      |
| Audio +          | + | Camera enable / disable         |
| Brightness -     | + | Right side USB enable / disable |
| Brightness +     | + | Power on / off                  |



### AFL2-15A-H61 Dimensions (Unit: mm)

### AFL2-W15B-H61 Dimensions (Unit: mm)