

## AFL2-12A-HM65

Intel® Core™ i7/i5/i3 Processor

## AFL2-12A-D525

Intel® Atom™ D525 Dual Core Processor



## Features

- 12.1" 600nits 1024 x 768 flat-bezel LCD with LED backlight
- Supports projected capacitive touchscreen or 5-wire resistive type touchscreen
- Built-in two 3W speakers and microphone
- GbE LAN for high speed network applications
- One 204-pin DDR3 SO-DIMM slot (system max. 4GB)
- Wi-Fi 802.11b/g/n 2T2R high speed wireless
- EM or Mifare RFID reader
- IP 64 compliant front panel
- Auto-dimming control
- Built-in 2 megapixels webcam with AF AE and AWB capabilities
- Wide range 9~36 VDC input



## Specifications

	Model	AFL2-12A-D525 <span style="color: green;">Fanless</span>		AFL2-12A-HM65	
LCD Specifications	Size	12.1"			
	Resolution	1024 (W) x 768 (H)			
	Brightness (cd/m <sup>2</sup> )	600			
	Contrast Ratio	700:1			
	LCD Color	16.2 M			
	Pixel Pitch (mm)	0.240 (H) x 0.240 (V)			
	Viewing Angle (H-V)	160° / 140°			
	Backlight MTBF	50000 hrs (LED backlight)			
Touch	Touch Screen	5-wire resistive type with RS-232 interface / projected capacitive type with USB interface			
	Touch Controller	PenMount DMC9000 / EETI EXC7200 & EXC5400			
System	CPU	Intel® Atom™ D525 1.8GHz dual core processor		2nd Generation Intel® Core™ i7/ i5/ i3 and Celeron® processor	
	Chipset	Intel® ICH8M		Intel® HM65	
	RAM	Support one 204-pin DDR3 SO-DIMM slot (Max. 4GB)			
	Ethernet	Realtek RTL8111E PCIe GbE controller supporting ASF 2.0			
	Audio Codec	Realtek ALC888 HD Audio codec			
	Storage	CF Type II socket		2.5" SATA 6Gb/s SSD bay	
		2.5" SATA 3Gb/s SSD bay mSATA		2.5" SATA 6Gb/s SSD bay	
	Input / Output	1 x RS-232 (DB-9)	1 x VGA port (DB-15)	1 x RS-232 (DB-9)	1 x HDMI port
		1 x RS-232 (RJ-45)	1 x MicroSD card slot on front panel	1 x RS-232 (RJ-45)	1 x MicroSD card slot on front panel
	Other Features	1 x RS-422/485 (4-pin box header)	1 x Power switch	1 x RS-422/485 (4-pin box header)	1 x Power switch
2 x GbE LAN (RJ-45)		1 x AT/ATX switch	2 x GbE LAN (RJ-45)	1 x AT/ATX switch	
4 x USB 2.0		1 x Reset button	2 x USB 2.0	1 x Reset button	
1 x Mini USB 2.0 port on front panel		1 x Clear CMOS button	2 x USB 3.0	1 x Clear CMOS button	
1 x Audio jack (line-out)		1 x DC input jack	1 x Mini USB 2.0 port on front panel	1 x DC input jack	
1 x Audio jack (line-out)			1 x Audio jack (line-out)		
AMP 3W + 3W (internal speaker)					
Camera	2 M pixels with low light function				
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				
System Cooling	Fanless		Smart fan		
Connectivity	Wireless	IEEE 802.11b/g/n 2T2R module (WIFI-RT5392-SB-R10) Telec certified			
	Bluetooth	Bluetooth V2.0+EDR with USB interface (optional)			
Physical	Construction Front Panel	PC + ABS Plastic			
	Mounting	Panel, Wall, Rack, Stand and Arm VESA 100 mm x 100 mm			
	Color	Black			
	Dimensions (WxHxD)(mm)	310 x 265 x 52.6			
Environment	Weight (N/G)	3.2 kg / 5.5 kg		3.8 kg / 6.1 kg	
	Operating Temperature (°C) (Ambient with air flow)	-20°C ~ 50°C		-20°C ~ 50°C with SSD	
	Storage Temperature (°C)	-20°C ~ 60°C		-20°C ~ 60°C	
	Humidity	10% to 95% (non-condensing)			
	IP Level	IP 64 compliant front panel			
	Safety&EMC	CE / FCC			
Power	Power Supply	65W power adapter Input: 100VAC~240VAC, 50/60 Hz Output: 19VDC		90W power adapter Input: 100VAC~240VAC, 50/60Hz Output: 19VDC	
	Power Requirement	9 ~ 36 VDC			
	Power Consumption	19V@2.2A		19V@2.68A	
		(Intel® Atom™ D525 CPU with 800MHz 2GB DDR3 memory )		(Intel® Core™ i5-2510E processor with 4GB DDR3 memory)	

## Ordering Information

### ●AFL2-12A-D525

Part No.		Description
Resistive Touch Panel Screen	AFL2-12A-D525/R/2G-R14	12.1" 600cd/m <sup>2</sup> XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 2M camera, microphone, 2 GB DDR3 RAM, Dual GbE LAN, R14
Projective Capacitive Touch Screen	AFL2-12A-D525/PC/2G-R14	12.1" 600cd/m <sup>2</sup> XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, 2 GB DDR3 RAM, Dual GbE LAN, R14

### ●AFL2-12A-HM65

Part No.		Description
Resistive Touch Screen	AFL2-12A-HM65/R-R14	12.1" 600cd/m <sup>2</sup> XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 2M camera, microphone, dual GbE LAN, R14
Projective Capacitive Touch Screen	AFL2-12A-HM65/PC-R14	12.1" 600cd/m <sup>2</sup> XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 2M camera, microphone, dual GbE LAN, R14
CPU Selection	CPU-MB-I7-2640M	2nd Generation Intel® Core™ i7 Processor [Mobile], PPGA-988, dual core 2.8GHz, 35W, iAMT
	CPU-MB-I5-2510E	2nd Generation Intel® Core™ i5 Processor [Mobile], PPGA-988, dual core 2.5GHz, 35W, iAMT
	CPU-MB-I3-2310M	2nd Generation Intel® Core™ i3 Processor [Mobile], PPGA-988, dual core 2.1GHz, 35W
	CPU-MB-CM-B810	Intel® Celeron® Mobile Processor, PPGA-988, dual core 1.6GHz, 35 W
	CPU-MB-CM-B710	Intel® Celeron® Mobile Processor, PPGA-988, single core 1.6GHz, 35 W
Memory Selection	DDR3-SO-1333-1GB	SO-DIMM DDR3 1333MHz 1GB
	DDR3-SO-1333-2GB	SO-DIMM DDR3 1333MHz 2GB
	DDR3-SO-1333-4GB	SO-DIMM DDR3 1333MHz 4GB

## Options

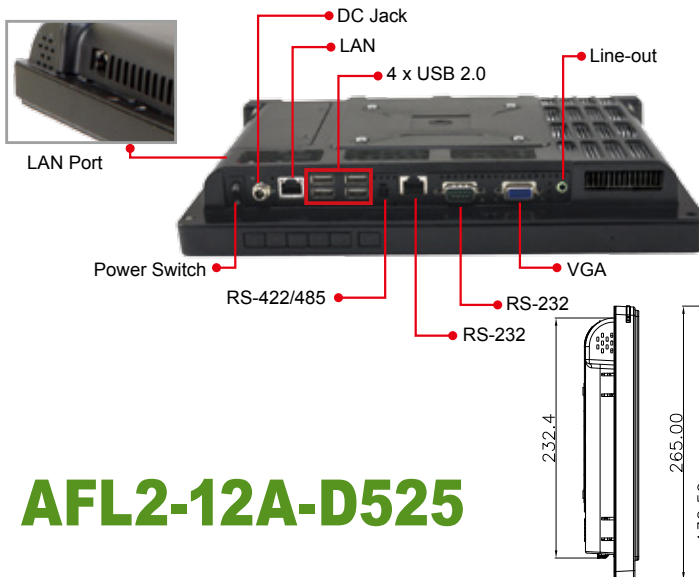
Item	AFL2-12A-D525	AFL2-12A-HM65
Panel Mounting Kit	AFLPK-15	
Wall Mounting Kit	AFLWK-19B	
Rack Mounting Kit	AFL2RK-12	
Arm	ARM-11-RS	
Stand	STAND-A12-RS/STAND-A19-RS/STAND-A21-R10/STAND-C12-R10	
V-Stand	VSTAND-A12-R11	
Bluetooth Module Kit	AFL2-BT-KIT01-R11	
Magnetic Stripe Reader Kit	AFL2P-12AMSR-U-R10	
EM RFID Reader	AFL2-EM-RFID-KIT01-R10	
Mifare RFID Reader	AFL2-MF-RFID-KIT01-R11	
OS: Win XPE (2GB CF Card)	AFL2CF-12-D525-XPE-2G-R14	AFL2-12A-HM65-XPE-R14*
OS: Win XPE (4GB CF Card)	AFL2CF-12-D525-XPE-4G-R14	AFL2-12A-HM65-XPE-R14*
OS: Win 7 Embedded (4GB CF Card)	AFL2CF-12-D525-WES7P-4G-R14 (for Projected Capacitive Touch) AFL2CF-12-D525-WES7E-4G-R14 (for Resistive Touch)	AFL2-12A-HM65-WES7P-R14* (for Projected Capacitive Touch) AFL2-12A-HM65-WES7E-R14* (for Resistive Touch)

\*OS image with CD-ROM or DVD-ROM

## Packing List

Item	P/N	Q'ty	Description
Utility CD		1	Drivers and user manual
One Key Recovery CD		1	
Power Adapter	63040-010065-200-RS (for AFL2-12A-D525) 63040-010090-120-RS (for AFL2-12A-HM65)	1	65W ;19VDC output (Meet PSE) 90W ;19VDC output
Power Cord	32702-000401-100-RS	1	1500 mm, European Standard
Power Transfer Cord	32702-000300-100-RS	1	
M3 Screw Pack	44013-030041-RS	4	M3*4 for securing HDD
M4 Screw Pack	44403-040061-RS	4	M4*4 VESA screw
Touch Pen	43125-0002C0-00-RS	1	
RJ-45 to DB-9 COM Port Cable	32005-000200-200-RS	1	
IR Remote Controller	7Z000-SLPCB005-RS	1	
RS-422 Cable	32205-002400-100-RS	1	
Pen	43125-0002C0-00-RS	1	For Resistive Touch

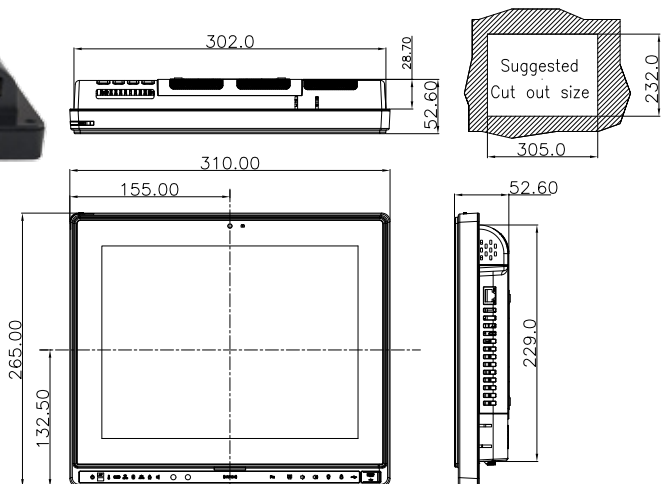
## Fully Integrated I/O



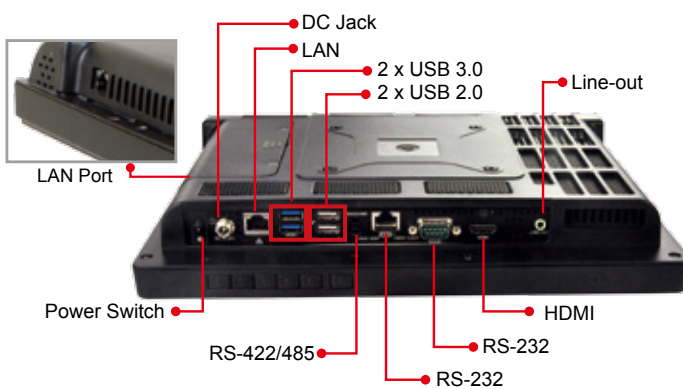
## AFL2-12A-D525

## AFL2-12A-D525 Dimensions

(Unit: mm)



## Fully Integrated I/O



## AFL2-12A-HM65

## AFL2-12A-HM65 Dimensions

(Unit: mm)

