

12.1" AFOLUX GEN II Flat-bezel Panel PC

AFL2-12A-HM65

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

New**AFL2-12A-D525**

Intel® Atom™ D525 Dual Core Solution

New**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 1.5W speakers and microphone
- Dual 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 1.3 megapixels webcam with AF AE and AWB capabilities
- Wide range 9~36 VDC input

**Specifications**

	Model	AFL2-12A-D525	Fanless	AFL2-12A-HM65	
LCD Specifications	Size	12.1" (4:3)			
	Resolution	1024 (W) x 768 (H)			
	Brightness (cd/m ²)	600			
	Contrast Ratio	700:1			
	LCD Color	16.2 M			
	Pixel Pitch (mm)	0.240 (H) x 0.240 (V)			
	Viewing Angle (H-V)	176° / 176°			
	Backlight MTBF	50000 hrs (LED backlight)			
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 supports ASF 2.0			
	SSD	CF Type II socket		N/A	
	HDD	2.5" SATA 3Gb/s HDD bay		2.5" SATA 6Gb/s HDD bay	
	Input / Output	RS-232 (DB-9 connector)	RS-232 (RJ-45 connector)	SD card slot on front panel	RS-232 (DB-9 connector)
		RS-232 (RJ-45 connector)	RS-422/485 (4-pin box header)	Power switch	RS-232 (RJ-45 connector)
	Expansion Interface	2 x GbE LAN (RJ-45 connector)	4 x USB 2.0	Mini USB 2.0 port on front panel	2 x GbE LAN (RJ-45 connector)
		4 x USB 2.0	Mini USB 2.0 port on front panel	Audio jack (line-out)	2 x USB 2.0
Other Features	Audio	AMP 1.5 W + 1.5 W (internal speaker)			
	Camera	1.3 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			
	Touch Screen	5-wire resistive type or projected capacitive type touch screen			
	Fan Design	Fanless		Smart fan	
	Wireless	1 x Wireless LAN 802.11 b/g/n 2T2R module (internal PCIe Mini card interface) (Optional, internal USB interface, Bluetooth V2.1+EDR)			
Physical	Construction Front Panel	ABS + PC 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 / 5.5kg		3.8 kg / 6.1 kg	
	Temperature (°C)	Operation: -20°C ~ 50°C, Storage: -20°C ~ 60°C		Operation: -20°C ~ 50°C with SSD, Storage: -20°C ~ 60°C	
	IP Level	IP 64 compliant front panel			
Power	Safety&EMC	CE / FCC			
	Power Supply	60W 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 (Intel® ATOM™ D525 CPU with 800MHz 2GB DDR3 memory)		19V@2.68A (Intel® Core™ i5-2510E processor with 4GB DDR3 memory)		

Ordering Information

●AFL2-12A-D525

Part No.	Description
Projective Capacitive Touch Screen	AFL2-12A-D525/PC-EM/1G-R11 12.1" 600cd/m ² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3 M camera, microphone, 1 GB DDR3 RAM, EM card reader, Single GbE LAN, R11
	AFL2-12A-D525/PC-MF/1G-R11 12.1" 600cd/m ² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3 M camera, microphone, 1 GB DDR3 RAM, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-D525/PC/1G-R11 12.1" 600cd/m ² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3 M camera, microphone, 1 GB DDR3 RAM, Single GbE LAN, R11
Resistive Touch Panel	AFL2-12A-D525/R-EM/1G-R11 12.1" 600cd/m ² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone, 1GB DDR3 RAM, EM card reader, Single GbE LAN, R11
	AFL2-12A-D525/R-MF/1G-R11 12.1" 600cd/m ² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone, 1 GB DDR3 RAM, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-D525/R/1G-R11 12.1" 600cd/m ² XGA fanless panel PC with Intel® Atom™ D525 dual core 1.8GHz, 802.11b/g/n wireless module, resistive touch screen, 1.3 M camera, microphone, 1 GB DDR3 RAM, Single GbE LAN, R11

●AFL2-12A-HM65

Part No.	Description
Projective Capacitive Touch Screen	AFL2-12A-HM65/PC-EM-R11 12.1" 600cd/m ² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, EM card reader, Single GbE LAN, R11
	AFL2-12A-HM65/PC-MF-R11 12.1" 600cd/m ² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-HM65/PC-R11 12.1" 600cd/m ² XGA panel PC, 802.11b/g/n wireless module, projected capacitive touchscreen, 1.3M camera, microphone, Single GbE LAN, R11
Resistive Touch Screen	AFL2-12A-HM65/R-EM-R11 12.1" 600cd/m ² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, EM card reader, Single GbE LAN, R11
	AFL2-12A-HM65/R-MF-R11 12.1" 600cd/m ² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, Mifare card reader, Single GbE LAN, R11
	AFL2-12A-HM65/R-R11 12.1" 600cd/m ² XGA panel PC, 802.11b/g/n wireless module, resistive touch screen, 1.3M camera, microphone, Single GbE LAN, R11
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

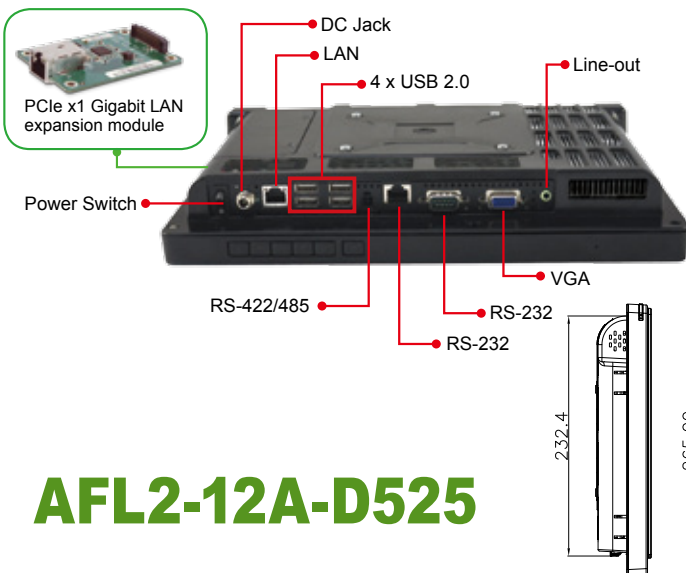
Item	AFL2-12A-D525	AFL2-12A-HM65
Panel Mounting Kit	AFLPK-15	
Wall Mounting Kit	AFLWK-19/AFLWK-19B	
Rack Mounting Kit	AFL2RK-12	
ARM	ARM-11-RS	
Stand	STAND-A12/ STAND-A19/ STAND-B19/ STAND-C19/ STAND-210-R11	
V-Stand	VSTAND-A12	
Hybrid Card Reader Kit	AFL2P-12AMSI-U-R10	
Bluetooth Module Kit	AFL2-BT-KIT01-R10	
Magnetic Stripe Reader Kit	AFL2P-12AMSR-U-R10	
OS: Win CE 6.0 (128MB CF Card)	AFL2CF-12-D525-CE060-128M-R10	AFL2-12-HM65-CE060-R10*
OS: Win XPE (2GB CF Card)	AFL2CF-12-D525-XPE-2G-R10	AFL2-12-HM65-XPE-R10*
OS: Win XPE (4GB CF Card)	AFL2CF-12-D525-XPE-4G-R10	AFL2-12-HM65-XPE-R10*
OS: Linux (2GB CF Card)	AFL2CF-12-D525-LNX-2G-R10	AFL2-12-HM65-LNX-R10*
OS: Win 7 Embedded (4GB CF Card)	AFL2CF-12-D525-WES7P-4G-R10 AFL2CF-12-D525-WES7E-4G-R10	AFL2-12-HM65-WES7P-R10* AFL2-12-HM65-WES7E-R10*

*OS image with CD-ROM

Packing List

Item	P/N	Q'ty	Description
Utility CD		1	Drivers and user manual
One Key Recovery CD		1	
Power Adapter	63040-010065-010-RS (for AFL2-12A-D525) 63040-010090-030-RS (for AFL2-12A-HM65)	1	FSP065-RAB;90~264VAC input ; 65W ;19VDC output FSP090-D2BA1;90~264VAC input ; 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	

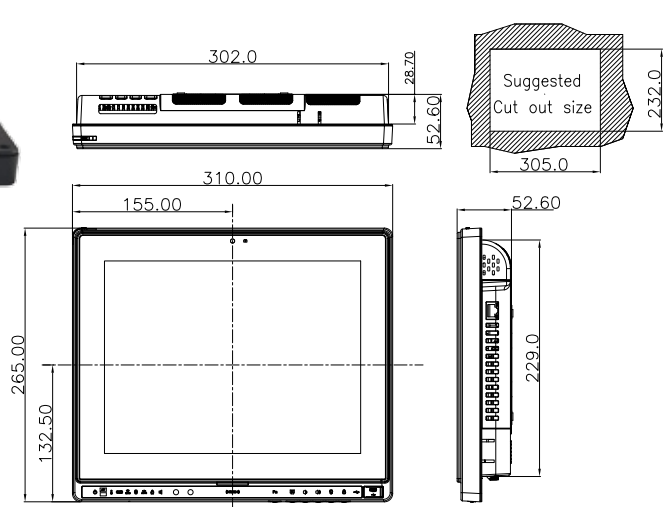
Fully Integrated I/O



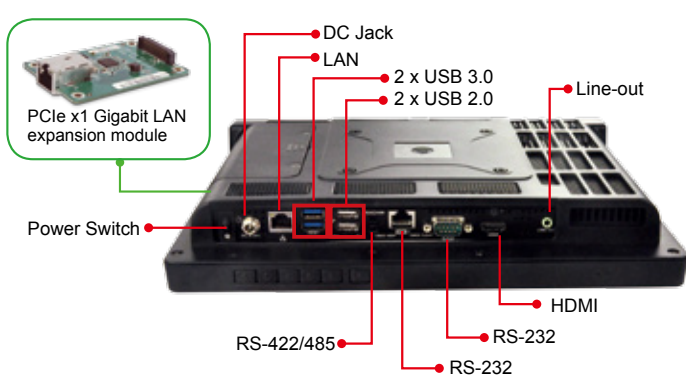
AFL2-12A-D525

AFL2-12A-D525 Dimensions

(Unit: mm)



Fully Integrated I/O



AFL2-12A-HM65

AFL2-12A-HM65 Dimensions

(Unit: mm)

