

AFL3-12A-BT

Intel® Celeron® J1900 (Quad Core, 2.0 GHz)



Features

- 12.1" light industrial interactive panel PC
- Wide range DC input with lockable DC jack
- Selectable AT/ATX power mode
- Built-in speakers
- One mSATA slot
- IP64 compliant front panel



Specifications

Model		AFL3-12A-BT
LCD	Size	12.1"
	Resolution	1024 x 768 (4:3)
	Brightness (cd/m ²)	500
	Contrast Ratio	700:1
	LCD Color	16.2M
	Pixel Pitch (mm)	0.240 (H) x 0.240 (V)
	Viewing Angle (H-V)	160° / 140°
Touch	Backlight MTBF(hrs)	50000 hrs
	Touch Screen	5-wire resistive with RS-232 interface (anti-glare coating) Projected capacitive with USB interface (anti-UV / anti-glare coating)
Motherboard	Touch Controller	PenMount DMC9000/ EETI EXC3146
	CPU	Intel® Celeron® J1900 (quad core, 2.0 GHz)
	RAM	One 204-pin 1333MHz single-channel, 4GB DDR3L SO-DIMM pre-installed (system max. 8GB)
	Ethernet	2 x PCIe GbE by RTL8111HN-CG controller
Storage	Audio Codec	Realtek ALC 888S
		1 x mSATA 1 x 2.5" SATA 3Gb/s HDD bay
I/O Ports & Switch		1 x RS-232 COM port (RJ-45 connector) 1 x RS-232/422/485 COM port (DB-9 connector)(RI/5V/12V) 2 x USB 3.2 Gen 1 (5Gb/s) 2 x USB 2.0 2 x RJ-45 for GbE LAN 1 x Power Button 1 x Audio port (line-out) 1 x Reset button 1 x AT/ATX switch 1 x 9-30V lockable power jack
Audio		AMP 3W + 3W (internal speaker)
Camera and Microphone		2-megapixel with low light function, digital microphone
Wireless		IEEE 802.11 a/b/g/n/ac half-size mini-PCIe slot (PCIe signal)
OSD Function		Software OSD
Physical	Front Panel Construction	PC + ABS Plastic
	Mounting	Panel, Wall, Rack, Stand and Arm VESA 75mm x 75mm / 100mm x 100mm
	Color	Black C
	Dimensions (WxHxD) (mm)	304 x 243 x 44
	Cut-out Dimensions (WxH) (mm)	243 x 205
Environment	Net/Gross Weight (kgs)	1.92/3.95
	Operating Temperature (Ambient with air flow)	-20°C ~ 50°C
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% to 95% (non-condensing)
	IP Level	IP 64 compliant front panel
	Safety&EMC	CE / FCC
Power	Thermal Solution	Fanless
	Power Requirement	9 V ~ 30 V DC
	Power Consumption	12V@3.58A (Intel® J1900 CPU with 2GB 1333 MHz DDR3L memory)

Ordering Information

Part No.	Description
AFL3-12A-BT-J1/R/4G-R17	12.1" 500 cd/m ² XGA fanless panel PC with Intel® Celeron® J1900 quad core 2 GHz, 802.11a/b/g/n/ac wireless module, resistive touch screen, 4GB DDR3L RAM, with AG, R17

Options

Item	AFL3-12A-BT
Panel Mounting Kit	AFL3PK-08A-R10
Wall Mounting Kit	AFLWK-19B
Arm	ARM-11-RS/ARM-31-RS
Stand	STAND-A21-R10/STAND-210-R11/STAND-C12-R10
V-Stand	VSTAND-A12-R11
Barcode Scanner	AFL3-2D-R11
RFID Reader **(13.56 MHz Mifare Type) for ATO assembly	AFL3-MF-RFID-KIT02-R10**
OS: Win 7 Embedded (64-bit)	AFL3-W07A-BT-WES7P64-R12 (for PCAP touch) AFL3-W07A-BT-WES7E64-R12* (for Resistive touch)
*OS: Win 10 IOT Enterprise	AFL3-W07A-BT-W10E64-E-R12

**RFID is supported from AFL3-xxA-BT R11 version

*OS image with CD-ROM without storage

Packing List

Item	Part No.	Q'ty	Remark
Round head machine screw	44003-020041-RS (12A-BT)	2	M2*4 round head machine screw
Pan head machine screw	44403-040061-RS	4	M4*6 pan head machine screw
Fix holder	46003-009500-RS	2	
Power adapter	63040-010060-211-RS (AFL3-12A-BT)	1	36W; Vin: 90V~264V AC; Vout: 12VDC 60W; Vin: 90V~264V AC; Vout: 12VDC
RJ-45 to DB-9 COM port transfer cable	32005-004600-100-RS	1	300mm, 26AWG, (A) D-SUB 9 male, (B) RJ-45

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Fully Integrated I/O



