

AFL4-W10-RK3568

IEI Light Industrial Panel PC

Powered by Rockchip RK3568 Platform



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AFL4-W10-RK3568

Fanless panel PC with narrow bezel design ,Rockchip RK3568 processor, on board 4GB LPDDR4/4X,32GB eMMC,One HDMI2.0, Two 1GbE RJ45, Two USB2.0,Two USB3.0,Two RS-232/485,One Audio Jack,Option WIFI/BT and 4G, and anti-glare@anti-UV 10-point touchscreen



Rockchip RK3568 SoC

Rockchip RK3568 low power SoC, adopting 22 nm process, 4-core 4-thread,frequency up to 2.0GHz



Support 4K UHF Display Output

HDMI2.0 Up to 10 bits Deep Color modes,Up to 4096x2304@60Hz



Anti-glare and Anti-UV PCAP

With anti-glare and anti-UV coating, the 10-point touch-screen can display clearly without reflection for a long time use in outdoors and bright light environment.



Works with Gloves and Water

The equipped capacitive touch screen supports gloved operation and waterproof function that can effectively eliminate false touch operating caused by water spray.



Extensive I/O Interfaces

Two USB3.0 TypeA,Two USB2.0 Type A,Two RS-232/485 by DB9 Port, Two 1GbE RJ45, One HDMI2.0,One Audio Jack,One Micro SD Slot,One internal M.2 B Key Slot support 4G/5G



WIFI5/WIFI6+BT5.0 and 4G module Support optional



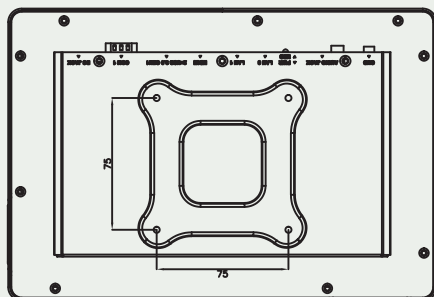
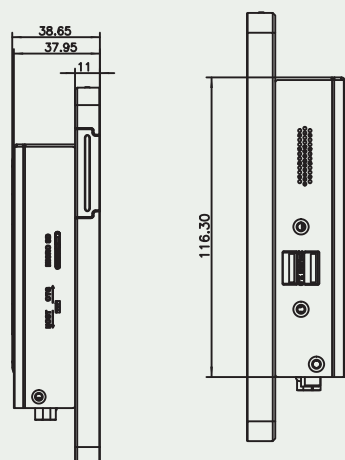
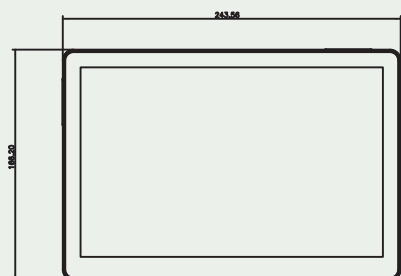
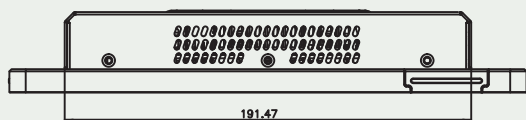
The diagram illustrates the back panel of the Raspberry Pi 4 Model B, highlighting the following components:

- Antenna:** Located at the top center of the board.
- Micro SD Slot:** Located on the left side of the board.
- USB3.0 Otg/Host Switch:** Located on the left side of the board.
- Audio Jack:** Located on the bottom left of the board.
- Power/Sys tem LED:** Located on the bottom left of the board.
- 2x 1GbE RJ45:** Located on the bottom left of the board.
- HDMI 2.0:** Located on the bottom center of the board.
- 2x USB3.0 Up Host Down Otg:** Located on the bottom center of the board.
- 1x DB9 (2x RS-232/485):** Located on the bottom center of the board.
- 12V DC JACK:** Located on the bottom right of the board.
- 1x Speaker:** Located on the right side of the board.
- 2x USB2.0:** Located on the right side of the board.

AFL4-W10-RK3568 Block Diagram



Dimensions



Specifications

Model		AFL4-W10-RK3568
LCD	LCD Size	10.1 (16: 10)
	Resolution (WxH)	1280x 800
	Brightness(cd/m²)	420
	Contrast Ratio	1000:1
	Viewing Angle (H-V)	170° / 170°
	Backlight MTBF	30000 hours
Touch	Touch Type	PCAP with USB interface
	Touch IC	ILI 2132
Mainboard	SOC	Rockchip®RK3568 (Quad-core Cortex-A55, up to 2.0 GHz)
	RAM	4GB LPDDR4/4X, Up to 8GB
	ROM	32GB Emmc NAND
	Storage	1×Micro SD Slot
I/O Ports	1x DB9 Port	2 x RS-232/485 by DB9
	USB3.0	2 x USB 3.0 Type A (1× OTG, 1× HOST)
	HDMI	1 x HDMI2.0 output
	USB2.0	2 x USB2.0
	RJ45	2× 1GbE RJ45 By RTL8211E
I/O Ports	Power Port	1 x 12V DC Jack
	AUDIO	1x AUDIO JACK PORT
Audio		1× Speaker (1.3W)
Wireless (Option: WIFI /BT&4G/5G either-or)	WLAN	Wi-Fi 5/6&BT V5.0 (B TO B interface with IEI wireless module)
	4G LTE	1xM.2 B Key slot for 4G/5G Module
Physical	Construction Front Panel	Aluminum
	Mounting	Wall , Stand , Arm VESA 75/100,
	Color	Silver+Black
Environment	Operating Temperature (°C)(Ambient with air flow)	-10℃~50℃ with air flow
	Storage Temperature(°C)	-20℃~60℃
	Humidity	10% to 95% @40° (non-condensing)
	IP Level	Front panel IP64
	Safety&EMC	CE/EMC , FCC , Class A
	Thermal Solution	Fanless
	Power Requirement	12V DC
	ErP	ErP 2009/125/EC
	Supported OS	Android 12.0 /Linux Debian 10(kernel 4.19)
OS	Watchdog Timer	YES

Packing List

1 x Power Cord	1x Power Adapter	1xQIG
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Ordering Information

AFL4-W10-RK3568-R10	10.1" 420cd/m² 1280x800 fanless Panel PC with RK3568 on-board Processor , 4GB LPDDR4 on-board , 32GB Emmc, Option: 802.11a/b/g/n/ac/ax WiFi&Bluetooth®5.2 module, PCAP touch, Debian10 OS, R10
AFL4-W10-RK3568-A-R10	10.1" 420cd/m² 1280x800 fanless Panel PC with RK3568 on-board Processor , 4GB LPDDR4 on-board , 32GB Emmc, Option: 802.11a/b/g/n/ac/ax WiFi&Bluetooth®5.2 module, PCAP touch, Android12 OS, R10

Options

Item	Part No	Description
Arm	ARM-11-RS	VESA 75/100 Desk ARM
Stand	STAND-C12-R10	VESA 75/100 Easy Stand
V-Stand	VSTAND-A10-R11	Stand V Type , VESA 75/100
Wall	AFLWK-19B	Monitor Wall Mount kit