

AFL4-W10-RK3568

IEI Light Industrial Panel PC

Powered by Rockchip RK3568 Platform



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Fanless panel PC with narrow bezel design, Rockchip RK3568 processor, onboard 4GB LPDDR4/4X, 32GB eMMC, HDMI2.0, two 1GbE RJ45, two USB2.0, two USB3.0, two RS-232 & two 485, Audio Jack, Option WIFI/BT and 4G/5G module, AG/UV 10-point touchscreen



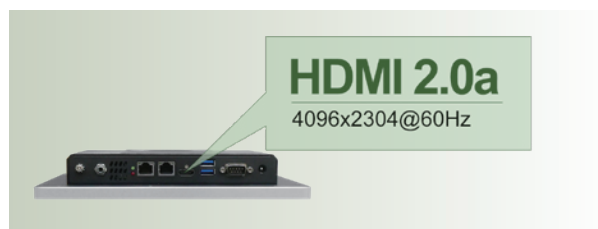
Rockchip RK3568 SoC

Rockchip RK3568 chip quad-core Cortex A55 high-performance SoC, Mali G52 GPU & 1TOPS NPU



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 touchscreen can display clearly without reflection for a long time use in outdoors and bright light environment.



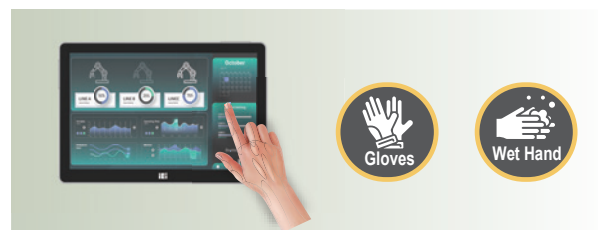
Extensive I/O Interfaces

2xUSB3.0 TypeA, 2xUSB2.0 Type A, 2xRS-232 & 2x485 by DB9 Port, 2x1GbE RJ45, HDMI2.0, Audio Jack, Micro SD Slot, internal M.2 B Key Slot support 4G/5G Module.



Works with Gloves and Water

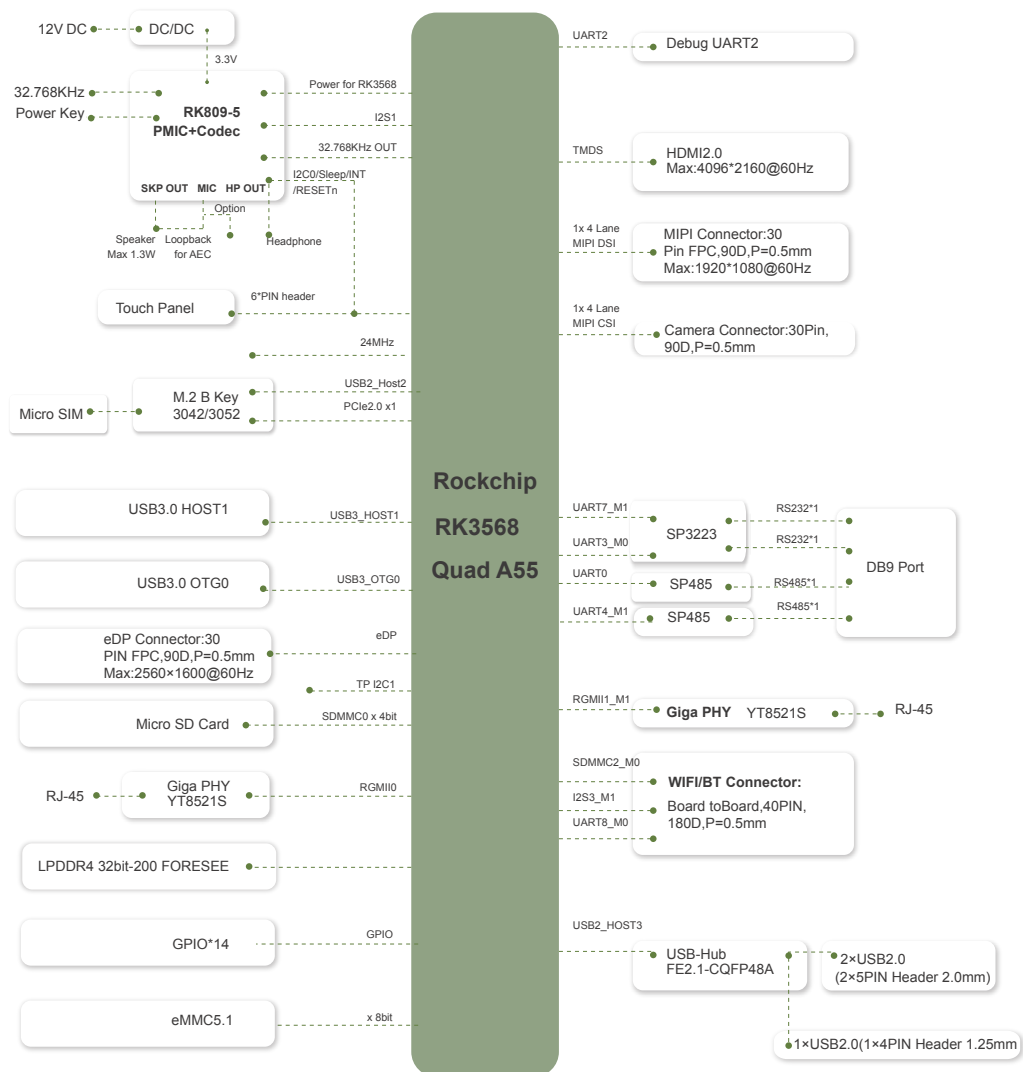
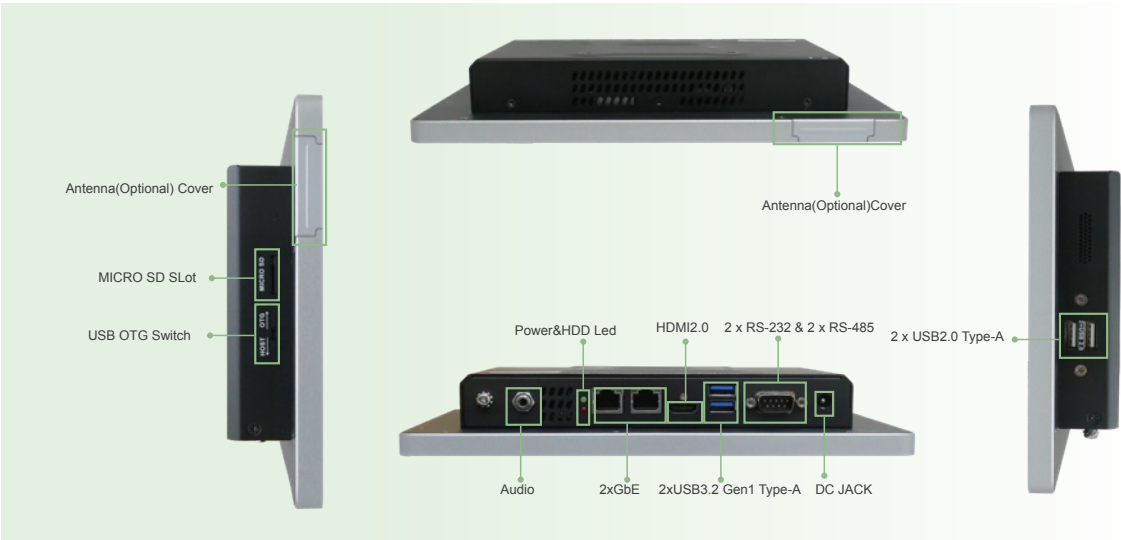
The equipped capacitive touch screen supports gloved operation and waterproof function that can effectively eliminate false touch operating caused by water spray.



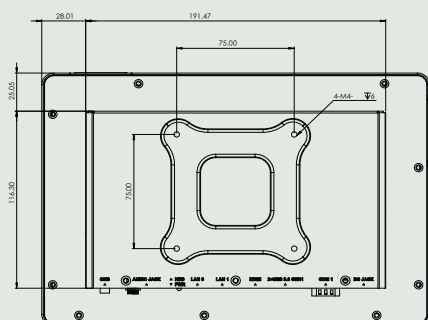
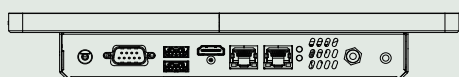
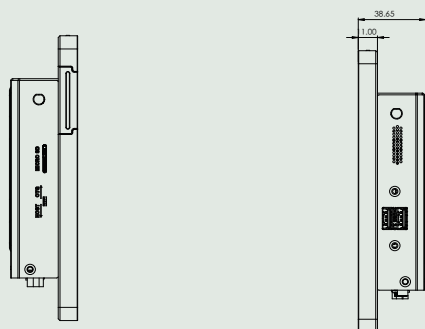
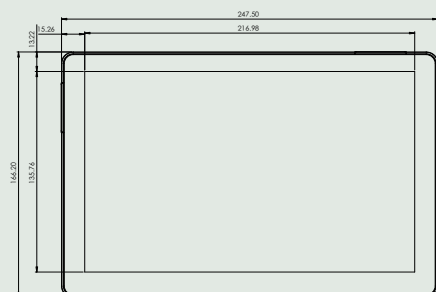
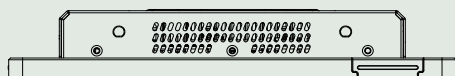
WiFi5/WiFi6&BT5.0 and 4G/5G module Support optional

Wireless network communication is achieved through two front internal antennas with wifi5/6+bluetooth module or 4/5G module.





Dimensions (Unit: mm)



Specifications

Model		AFL4-W10-RK3568
LCD	Size	10.1" (16:10)
	Resolution (WxH)	1280 x 800
	Brightness (cd/m²)	420
	Contrast Ratio	800:1
	Viewing Angle (H-V)	170°/170°
Touch	Backlight MTBF	30000 hours
	Touch Screen	PCAP with USB interface (anti-UV/AG coating)
Motherboard	Touch Controller	Capacitive:EETI EXC81 Series
	CPU	Rockchip® RK3568 (Quad-core Cortex-A55, up to 2.0 GHz)
	Memory	4GB LPDDR4/4X, Up to 8GB
	Ethernet	2 x RJ45 By YT8521C
	Expansion	1 x board to board connector (Only supports IEI wireless modules) 1 x M.2 B Key 3042/52 (PCIe Gen2 x1, USB2.0) 1 x On-board SIM card socket (hinge type) for M.2 B key
	I/O Ports and Switches	2 x RS232 & 2 x 485 By 1 x DB9 2 x USB3.0 Type A(1 x OTG, 1 x Host) 2 x USB2.0 Type A 1 x HDMI2.0 Output 1 x Power LED (Red) 1 x HDD LED (Green)
	Audio	1 x Audio Jack (Line out) 1 x internal 1W speaker
	Storage	32GB eMMC NAND FLASH 1 x SD Slot
	Construction Material	Aluminum front frame and sheet metal rear cover
	Mounting	VESA 75
Physical	Enclosure Color	Silver + Black
	Dimensions (LxWxH) (mm)	247.50 x 166.20 x 38.65
	Weight (kg)	1.18kg / 2.32kg
Environment	Operating Temperature	-10°C ~ 50°C
	Storage Temperature	-20°C ~ 60°C
	Humidity	10% to 95% @40°C (non-condensing)
	Vibration	MIL-STD-810H 514.8C-I with SSD
	Shock	IEC68-2-27 half-sine, 5G, 11ms, 100 shocks with SSD
	IP Level	IP 64 compliant front panel
	Safety & EMC	CE/FCC
	Power Input	12V DC
	Power Consumption	12V@2.25 (Rockchip® RK3568 with 4GB Memory, 32GB eMMC, Debian OS)
	OS	Android 12 / Debian 10 (Kernel 4.19)

Ordering Information

Part No.	Description
AFL4-W10-RK3568-BEA-R20	10.1" 420cd/m² 1280x800 fanless Panel PC with RK3568 on-board Processor , 4GB LPDDR4 on-board , 32GB eMMC, PCAP touch, Android12 OS, R20
AFL4-W10-RK3568-BED-R20	10.1" 420cd/m² 1280x800 fanless Panel PC with RK3568 on-board Processor , 4GB LPDDR4 on-board , 32GB eMMC, PCAP touch, Debian10 OS, R20

Options

Item	Part No.	Description
Stand	STAND-C12-R10	VESA 100x100mm/75x75mm PPC/Monitor Stand, support up to 7.5kg, Black color
Wall Mount	AFLWK-12	10.1"~12.1" Monitor Wall mounting kit, For AFL Series
WIFI Module	iWB-AP6275SDSR-IA-R10 ¹	WIFI+Bluetooth Module, AP6275SDSR, 2T2R, 802.11 a/b/g/n/ac/ax Wi-Fi + BT 5.3, with Internal WIFI 6 antenna, FCC/CE/NCC
WIFI Module	iWB-AP6275SDSR-EA-R10 ²	WIFI+Bluetooth Module, AP6275SDSR, 2T2R, 802.11 a/b/g/n/ac/ax Wi-Fi + BT 5.3; with external WIFI 6 antenna, FCC/CE/TELEC/NCC

¹The antenna is recessed. Please install the recessed antenna in the designated location on the front panel.

²The antenna is external. Please install it in the designated antenna location on the rear cover.

Packing List

Item	P/N	Q'ty
Power cord	19XM0SFE0-0004601-000-RS	1
Power Adapter	63040-410060-000-RS	1
QIG		1