

AFL4-W07-RK3566

IEI Light Industrial Panel PC

Powered by Rockchip RK3566 Platform



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AFL4-W07-RK3566

Fanless panel PC with narrow bezel design, Rockchip RK3566 processor, on board 2/4GB LPDDR4/4X,16/32GB eMMC,HDMI output, One GbE LAN, One USB2.0,One USB3.0,One M.2 B-key expansion slot, and anti-glare@anti-UV 10-point touchscreen



Rockchip RK3566 SoC

Rockchip RK3566 low power SoC, adopting 22 nm process, 4-core 4-thread,frequency up to 1.8GHz



Support 4K UHF Display Output

HDMI2.0 Support 4K video decoding and 1080P 60 video coding display out



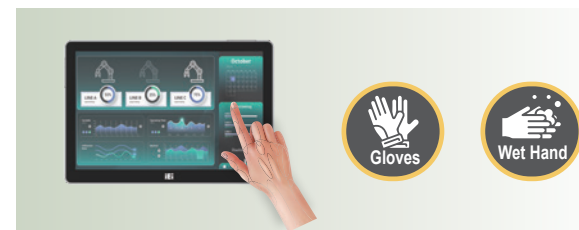
Anti-glare and Anti-UV PCAP

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

One USB3.0 HOST TypeA,One USB2.0 OTG Type A, two(RS232+422+485)by DB9 interface, One 1GbE network port, one HDMI2.0 interface,one Audio Jack,one Micro SD Slot, one NANO SIM Slot

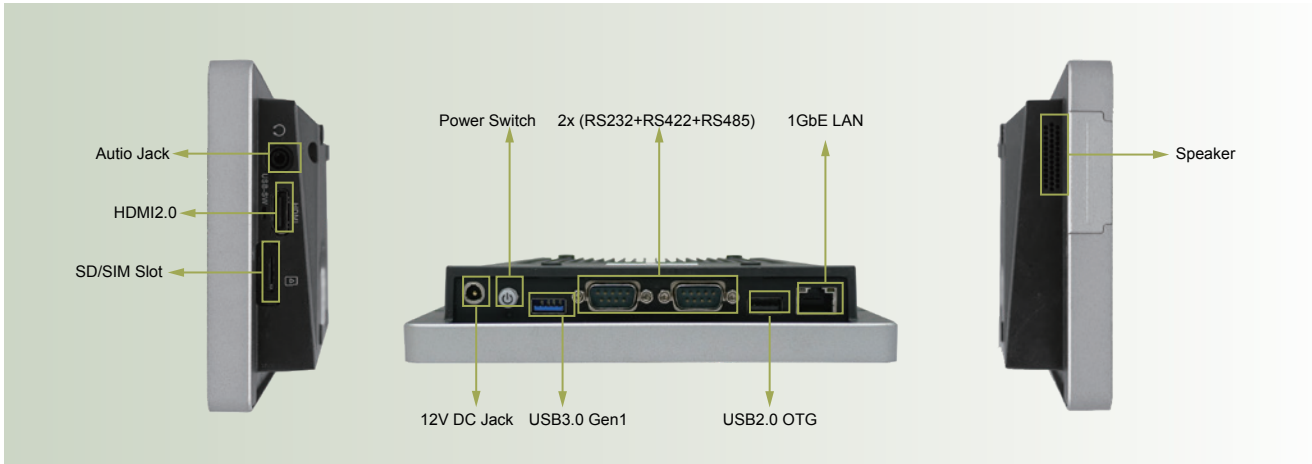


WiFi5/WIFI6+BT5.0 and 4G module Support optional

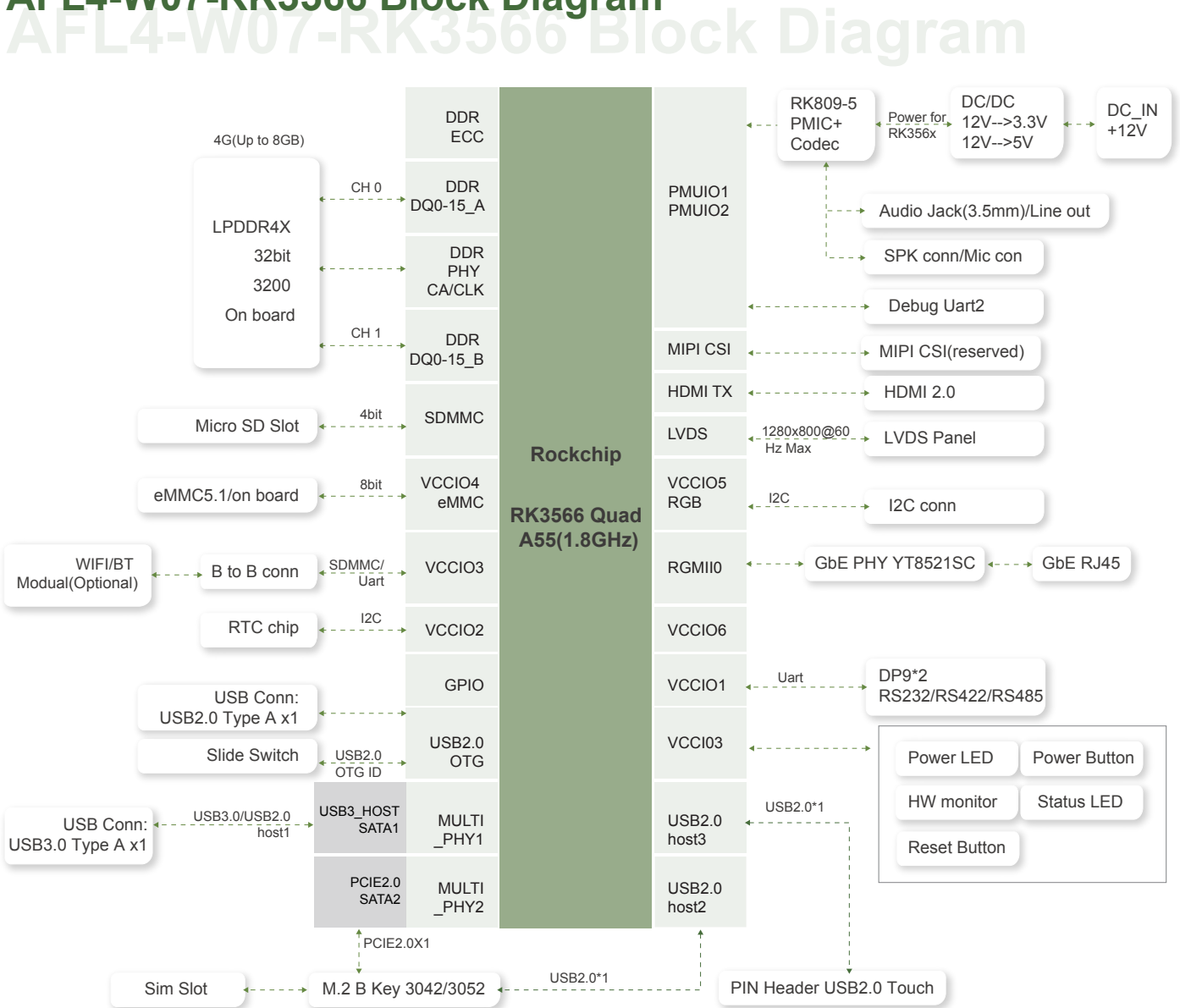
WiFi5/WIFI6+BT5.0 Optional according to the scheme, support 4G optional (WIFI and 4G only support either-or)



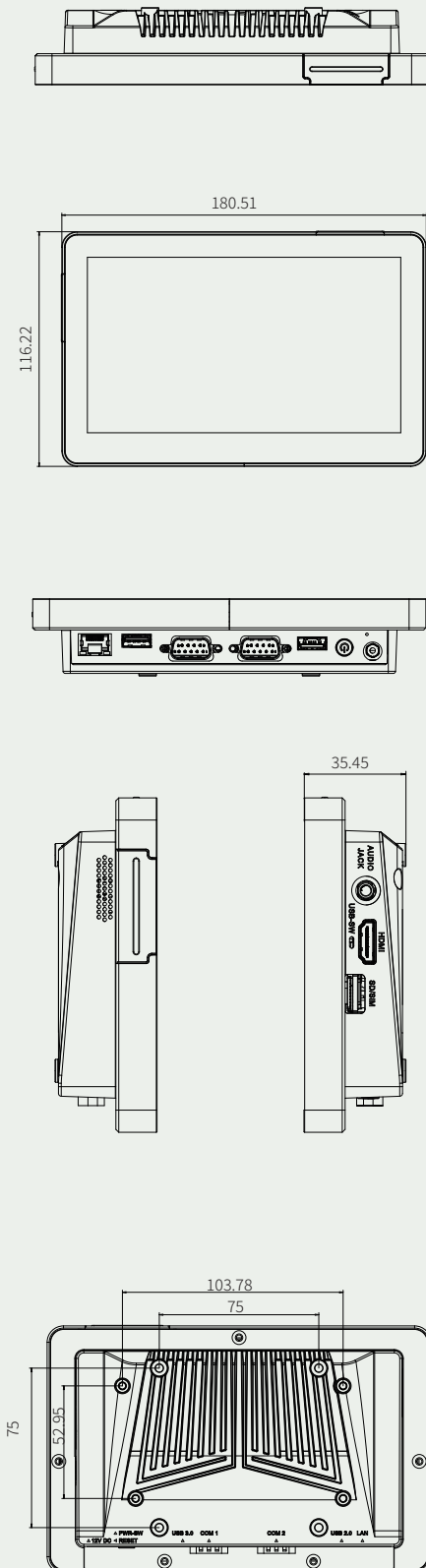
AFL4-W07-RK3566



AFL4-W07-RK3566 Block Diagram



Dimensions



Specifications

Model	AFL4-W07-RK3566	AFL4-W07-RK3566-A	AFL4-W07-RK3566-2/16GB
LCD	LCD Size	7" (16: 9)	
	Resolution (WxH)	1024x 600	
	Brightness(cd/m2)	450	
	Pixel Pitch(mm)	0.1506 × 0.1432	
	Contrast Ratio	800:1	
	Viewing Angle(H-V)	170° / 170°	
Touch	TochScreen	USB Interface (Anti-UV/AG coating)	
	Touch Type	Capacitive touch screen	
Mainboard	SoC	Rockchip RK3566(Quad-core Cortex-A55 up to 1.8Ghz)	
	RAM	4GB LPDDR4/4X,Up to 8GB	2GB LPDDR4/4X,Up to 8GB
	Storage	32GB eMMC NAND FLASH	16GB eMMC NAND FLASH
	Wireless&Bluetooth(Optional)	WIFI5/WIFI6&BT V5.0 (B TO B Connector, support IEL Wireless module)	
I/O	USB3.0	1× USB 3.0 Type A HOST	
	USB2.0	1 × USB 2.0 Type A OTG	
	Ethernet	1× 1GbE RJ45 By YT8521	
	UART	2x (RS-232+422+485) by DB9 Port	
	HDMI	1 × HDMI2.0 Type A,Up to 4K(Android support Display both screens at the same time, Dabian support Separate display)	
	SD Card	1×Micro SD Slot	
	SIM CARD	1 X NANO SIM CARD SLOT	
	Power Port	1x 12V DC Jack	
	Expansion interface(Optional)	1 x M.2 B key Slot FOR 4G (Supported models: E7600C-M2,4G and WIFI/BT either-or)	
	Audio	1× Speaker (1W)	
Multimedia		1×3.5mm Audio Jack(Line out/Line in)	
	Indicator	1 x Power key with LED	
Indicator light and Switch		1 x System Operating status indicator (built-in)	
	Switch	1 x Reset key 1xUSB OTG Switch	
Physical	Body Material	Aluminum die casting	
	Mounting	Panel, Wall, Stand, Arm, Rack VESA 75mm x 75mm	
	Color	Silver+Black	
	Overall size (WxH) (mm)	180mm x116mm	
Environment	Operating Temperature (With wind)	0℃~50℃	
	Storage Temperature	-20~60℃	
	Humidity	10%~90%@40℃,(Non-condensing)	
	IP Level	Front Panel Compliance IP 54	
	Safety&EMC	CE,FCC, Class A	
	Heat-dissipating method	Fanless	
	Power	DC 12V	
OS	OS	Debian10 (Kernel 4.19)	Android 12.0 Debian10 (Kernel 4.19)
	Watchdog	YES	

Packing List

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

AFL4-W07-RK3566-R10	7" 450cd/m2 1024x600 fanless Panel PC with RK3566, 4GB LPDDR4/4X, 32GB eMMC, 1xUSB2.0, 1xUSB3.0, 2xRS-232/422/485, HDMI, 1xRJ45, 12V DC IN, Option WIFI/BT, Optional M.2 B key for 3042 LTE, PCAP touch, Debian10, Rohs
AFL4-W07-RK3566-A-R10	7" 450cd/m2 1024x600 fanless Panel PC with RK3566,4GB LPDDR4/4X,32GB eMMC,1xUSB2.0,1xUSB3.0,2xRS-232/422/485,HDMI,1xRJ45,12V DC IN,Option WIFI/BT,Optional M.2 B key for 3042 LTE,PCAP touch, Android12,Rohs
AFL4-W07-RK3566-2/16GB-R10	7" 450cd/m2 1024x600 fanless Panel PC with RK3566,2GB LPDDR4/4X,16GB eMMC,1xUSB2.0,1xUSB3.0,2xRS-232/422/485,HDMI,1xRJ45,12V DC IN,Option WIFI/BT,Optional M.2 B key for 3042 LTE,PCAP touch, Debian10,R10,Rohs

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-A07-R11	Stand V Type for AFL series, VESA 75/100
Wall	AFLWK-12	Monitor Wall mounting kit
WIFI/BT Kit	7F200-iWBRTL8822R10-RS	WIFI5/BT Card (F824) and Antenna
	7F200-iWBBCM43752R10-RS	WIFI6/BT Card(F826) and Antenna
4G Kit	7F200-E7600CM2-RS	4G Module and Antenna