

AFL4-W07-RK3566

IEI Light Industrial Panel PC

Powered by Rockchip RK3566 Platform



WWW.IEIWORLD.COM



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



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 touchscreen 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

1xUSB3.0 HOST TypeA, 1xUSB2.0 OTG Type A, 2xRS232& 2xRS422/485& 2xRS485, 1xGbE LAN, 1xHDMI2.0, 1xAudio Jack, 1xMicro SD Slot, 1xNANO SIM Slot

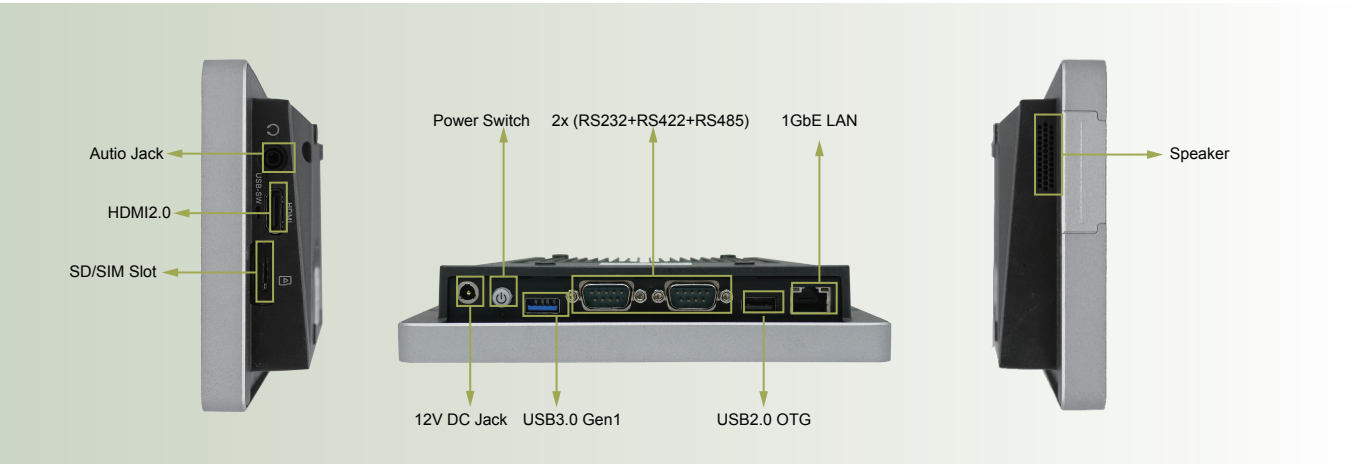


WiFi5/WIFI6+BT5.0 and 4G module Support optional

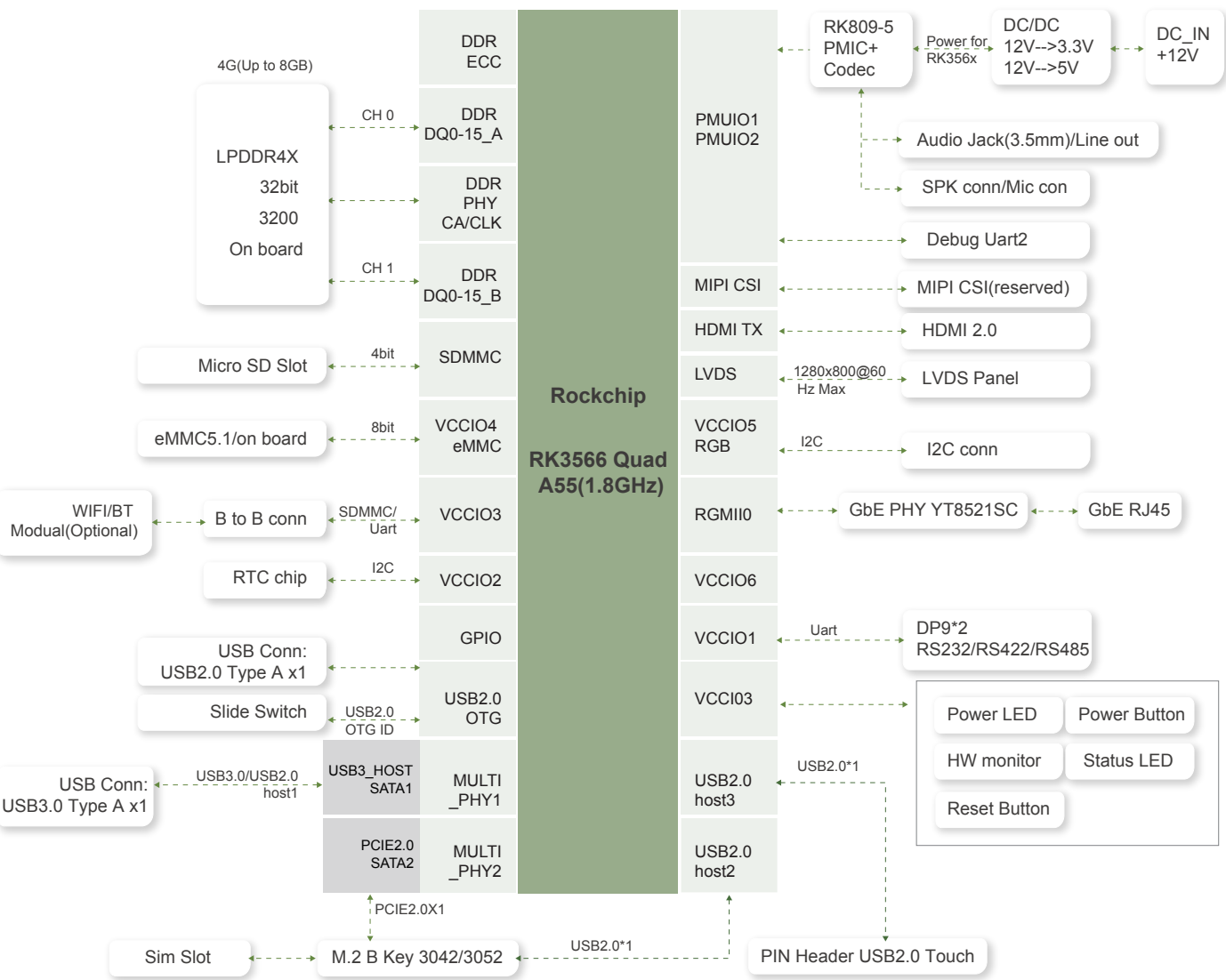
Wireless network communication is achieved through two front internal antennas with wifi5/6+bluetooth module or 4/5G module



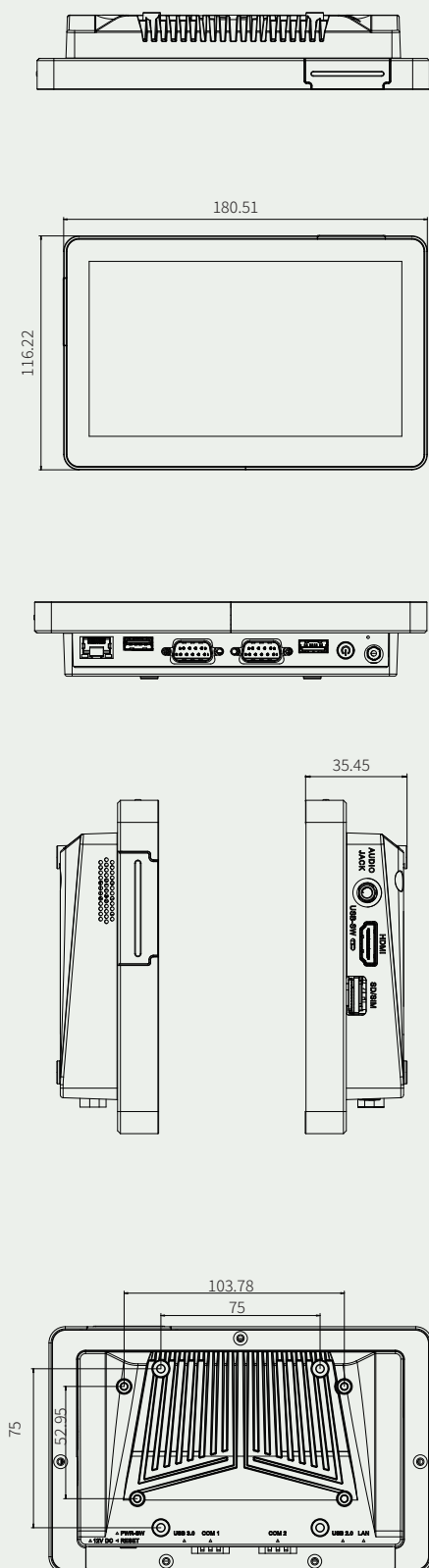
AFL4-W07-RK3566



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		
	Contrast Ratio	800:1		
	Viewing Angle(H-V)	170° / 170°		
Touch	Touch Type	PCAP with USB interface (anti-UV/AG coating)		
	Touch IC	EETI EXC 81 Series		
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	
I/O	USB3.0	1x USB 3.0 Type-A Host		
	USB2.0	1x USB 2.0 Type A OTG		
	Ethernet	1x 1GbE LAN by YT8521SC		
	UART	2x (1xRS-232&1xRS422/485&1xRS485 by DB9 Port)		
	HDMI	1x HDMI2.0, up to 4K (Android supports dual display copy mode, Debian only supports single display)		
	SD Card	1x Micro SD Slot		
	Expansion	1x 3042/52 B-key (PCIe Gen2 x1, USB2.0)		
		1x On-board SIM card socket (Push-Push) for M.2 B key 1x board to board connector(Only supports IEL wireless modules)		
Multimedia	Audio	1x Speaker (1W) 1x 3.5mm Audio Jack (Line out/Line in)		
Switch	Switch	1x Power button with LED		
		1x Reset button		
		1x USB OTG switch		
Physical	Construction	Aluminum die casting		
	Mounting	Panel, Wall, Stand, Arm, VESA 75		
	Color	Silver + Black		
Environment	Dimension(mm)	180.51x116.22 x 35.45		
	Operating Temperature	0 ~ 50 °C with 0.7m/s air flow		
	Storage Temperature	-20°C ~ 60°C		
	Humidity	10% ~ 90%@40°C (non-condensing)		
	IP Level	IP 64 compliant front panel		
	Safety&EMC	CE, FCC, Class A		
	Thermal Solution	Fanless		
	Power input	DC Power Jack: 12V		
	Power consumption	12V@1.05 (Rockchip® RK3566 with 2GB Memory, 16G eMMC, Debian OS)		
	Weight	0.67 / 2.11kg		
	OS	Debian10 (Kernel 4.19)	Android 12.0	Debian10 (Kernel 4.19)

Packing List

1 x Power Cord	1x Power Adapter	1xQIG
----------------	------------------	-------

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	iWB-RTL8822-IA-R10	WIFI+Bluetooth Module, RTL8822CS, 2T2R, 802.11a/b/g/n/ac Wi-Fi + BT 5.0, with Internal WIFI 6E antenna
	iWB-BCM43752-IA-R10	WIFI+Bluetooth Module, AP6275S, 2T2R, 802.11a/b/g/n/ac/ax Wi-Fi + BT 5.0, with Internal WIFI 6E antenna
	iWB-AP6275SDSR-IA-R10	WIFI+Bluetooth Module, AP6275SDSR, 2T2R, 802.11 a/b/g/n/ac/ax Wi-Fi + BT 5.3, with Internal WIFI 6E antenna, FCC ID