

AIO-W210-RK3568J

10.1" WXGA Capacitive All IN One Touchscreen Computer with Rockchip ARM Cortex-A55 RK3568J



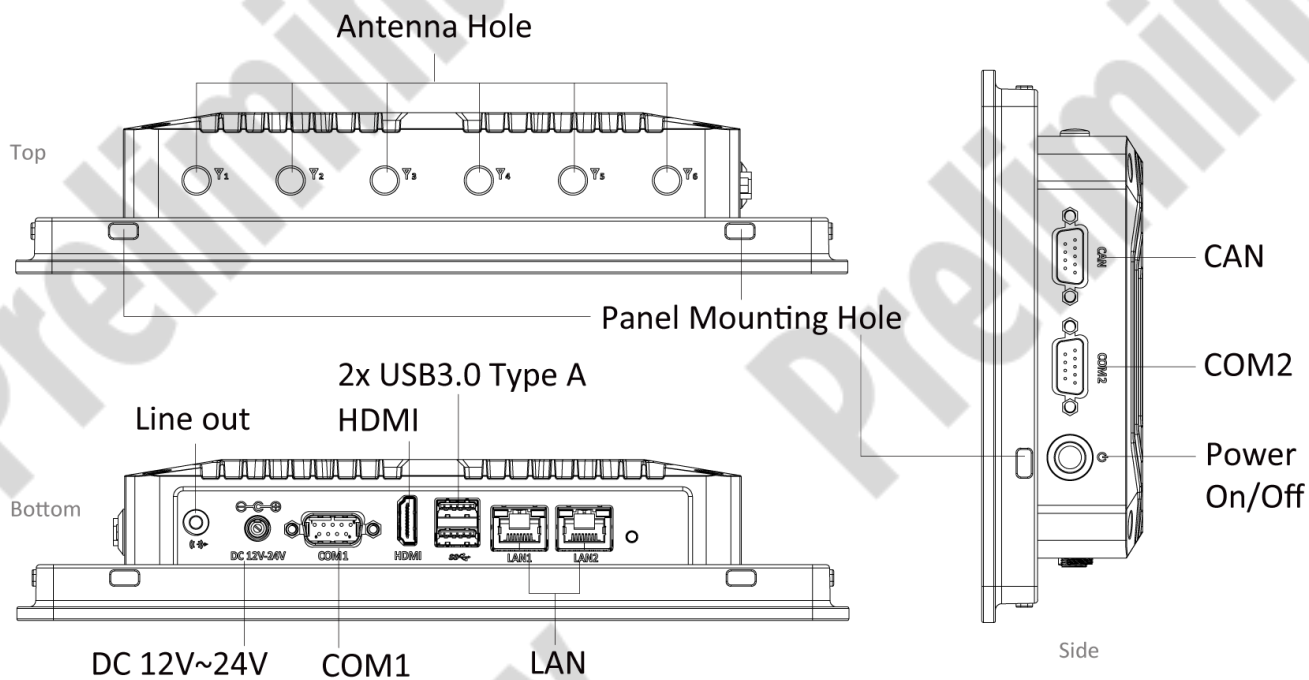
Features

- Rockchip RK3568J ARM Quad Cortex-A55, up to 2.0 GHz
- Front IP65 for protection against water and dust
- Scratch Resistant 7H Glass Hardness IK07
- 1x M.2 B-Key, 1x M.2 E-Key
- 2x USB 3.0 Type A, 2x COM, 1x HDMI, 2x LAN
- Wide Operating Temperature: -20°C to 60°C
- Power Input: 12 to 24VDC
- Android 13/Debian 11
- MTBF 50,000 Hours
- UL 62368-1 Ed. 3, CE, FCC Class A, UKCA, IC

Specifications

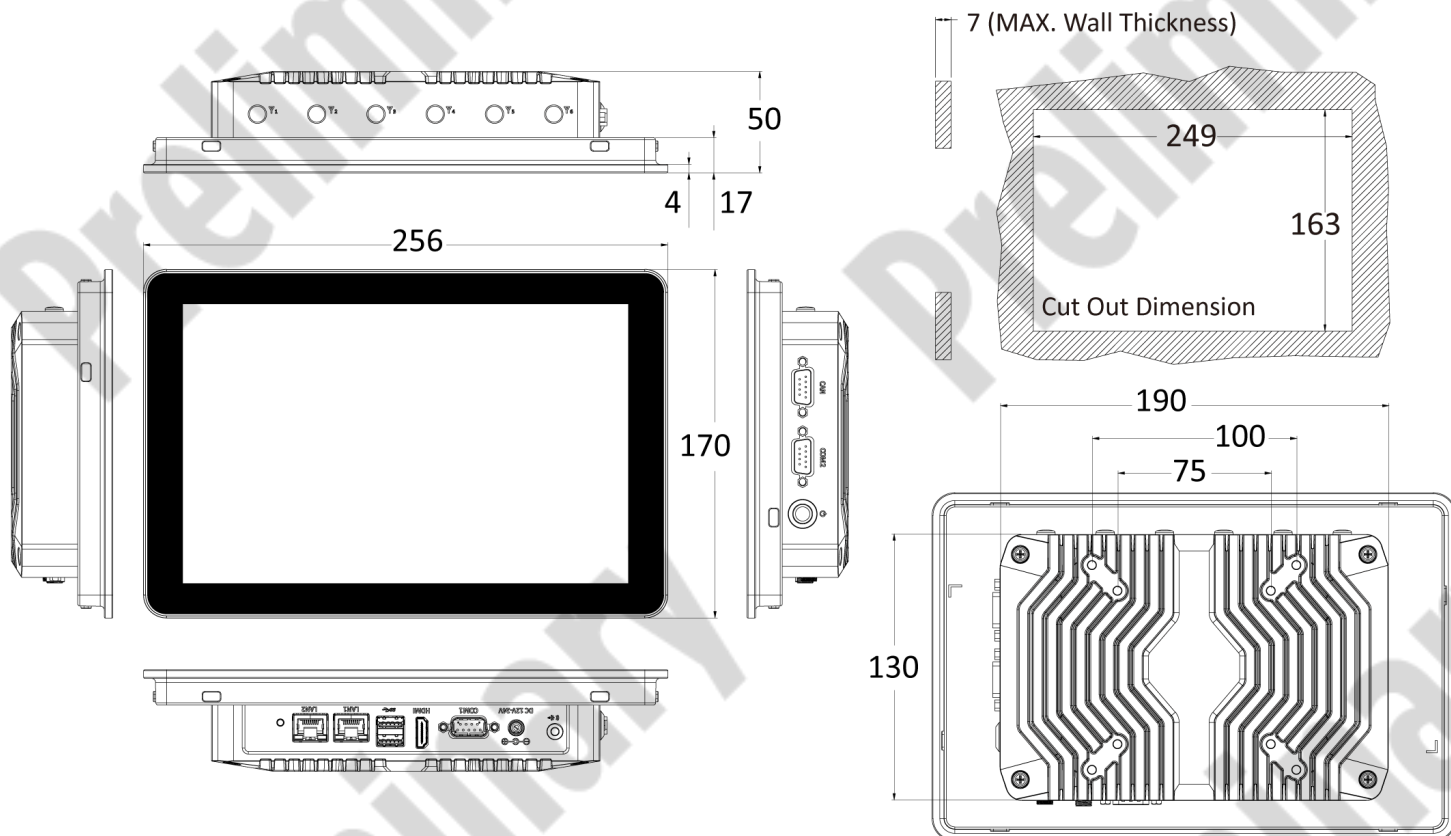
Display	
IP Rating	Front IP65
LCD Size	10.1" (16:10)
Max. Resolution	1280 x 800 (WXGA)
Brightness (cd/m ²)	500 nits
Contrast Ratio	800:1
LCD Color	16.7M
Pixel Pitch (mm)	0.169(H) x 0.1695(V)
Viewing Angle	89/89/89/89 (Typ.) (CR>=10)
Backlight MTBF	50,000 Hours (LED Backlight)
Touch	
Touch Type	Projected Capacitive Touch
Surface Hardness	7H / IK07
System	
Processor	Rockchip RK3568J ARM Quad Cortex-A55, up to 2.0 GHz
System Chipset	SoC integrated
System Memory	LPDDR4 2133MHz 4 GB
LAN Chipset	GbE1: RTL8211FDI 10/100/1000 Mbps GbE2: RTL8211FDI 10/100/1000 Mbps
Storage	
eMMC	64GB of eMMC for OS
Expansion	
M.2	1x M.2 E Key 2230 (ENL-R8852BE, WIFI6, BT5.2) 1x M.2 B Key 3042 (LTE Module Support)
I/O	
COM	2x RS-232/422/485
USB	2x USB 3.0 Type A
LAN	2x 10/100/1000 Mbps
Audio	1x Line-Out
Others	Support up to 6x Antenna (optional)
Operating System	
Linux	Debian 11
Operating System	Android 13
Power	
Power	AT/ATX (Optional)
Power Adapter	60W (12V, Default)
Power Supply Voltage	DC 12~24V
Power Connector	DC Jack 5.5mm/2.5mm
Environment	
Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 80°C
Relative Humidity	10% to 80% (non-condensing)
Certification	UL 62368-1 Ed. 3, CE, FCC Class A, UKCA, IC
Vibration	With SSD: 2.4 Grms (5 - 500 Hz, 0.5 hr/axis)
Shock	With SSD: 20G half-sin 11ms
Physical	
Dimensions	256 (W) x 170 (H) x 50 (D) mm
Weights	1.4 kg
Mounting	VESA Mount (75mm x 75mm/100mm x 100mm) Panel Mount (optional)

External I/O Mechanical Layout



Dimension

Unit: mm



Available Models

Model No.	Description
AIO-W210-RK3568J	10.1" WXGA Capacitive All IN One Touchscreen Computer with Rockchip ARM Cortex-A55 RK3568J

Packing List

1x AIO-W210-RK3568J Series Touchscreen Computer
1x Adapter 60W 12V

Compliances and Standards

Shock	With SSD: 20G half-sin 11ms IEC60068-2-27:2008 Designed to comply with MIL-STD-810G Method 516.7 Procedure I
Vibration	With SSD: 2.4 Grms (5 - 500 Hz, 0.5 hr/axis) IEC60068-2-64:2008 Designed to comply with MIL-STD-810G Method 514.7 Procedure I
Operating Temperature	-20°C to 60°C IEC60068-2-1:2007 (Cold test procedure) IEC60068-2-2:2007 (Dry heat test procedure) IEC60068-2-3:2007 (Damp heat, steady state, test procedure) IEC60068-2-14:2009 (Wide temperature range thermal shock)
EMI	• FCC Class A (47 CFR part 15.109 and part 15.107) • CE • ICES-003 • UKCA
Safety	• UL Safety: UL62368-1, 3rd Ed., (cULus) • Test procedure: CB Scheme • Standard: IEC 62368-1:2018