SPC-21WR2

21.5" Rockchip RK3568 Fanless Stainless Steel Chassis Touch Panel PC with IP65



Features

- 21.5" 1920x1080 Fanless Stainless Steel Chassis Touch Panel PC
- Rockchip RK3568 Arm Quad Cortex-A55, up to 2.0GHz
- On board 2GB DDR4 / 32GB eMMC
- Default with 5-Sides IP65, Light & Slim design
- 1 x LAN, 2 x USB, 1 x HDMI, 1 x Headphone Jack for Line Out, 1 x Reset, 1 x DC in jack, 1 x Power button (on side)
- Option for M12 connector with full system IP66/69K
- Optoin for WiFi/BT with waterproof antenna
- Support Android 14, Debian 11

+12V ~ +24V | PCAP Multi-touch | Fanless | Wide Temp. 0°C ~ 40°C | Default 5-Side IP65

Specifications

System Information	
Processor	Rockchip RK3568 Arm Quad Cortex-A55, up to 2.0GHz
System Memory	2GB DDR4 on board
CPU Cooler (Type)	Fanless
Storage	
Storage	32GB eMMC on board
Power Requirement	
DC Input	Default+12V~24V DC in (+19V~24V for M12 model by option)
Software Support	
OS	Android 14 / Debian 11
Certification	
Certification Information	CE, FCC Class B
Panel	
LCD Size	21.5"
Display Type	FHD
Resolution	1920 x 1080
Pixel Pitch	0.24795 (H) x 0.24795 (V) mm
Luminance	250 cd/m²
Contrast Ratio	3000
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	10 ms
Backlight	LED
Touch Type	Projective capacitive multi-touch up to 10 points
Touch Light Transmission	85%
Touch Controller	EETI
Wireless Communication	
WLAN	Optional Wi-Fi with waterproof antenna
Bluetooth	Optional BT 5.0

External I/O	
USB Port	2 x USB 3.0 Type A
Video Port	1 x HDMI 1.4 Out
Audio Port	1 x Headphone Jack for Line Out
LAN Port	1 x RJ45 10/100/1000 Lan port
Switch	1 x Power button (on side)
DC input	1 x DC Jack 1 x Reset
Other	Option for M12 connector: 1 x RJ45 1 x DC Jack 1 x USB 1 x COM 1 x Vent Vale
Mechanical & Environmental	
Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative humidity, non-condensing
Dimension (W x L x H)	541.6 x 348.6 x 47mm
Weight	10.7 kg
Vibration Test	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 30min/axis
Shock Test	With CF/SSD : 10Grms, IEC 60068-2-27, half sine, 11ms
Drop Test	ISTA 2A, IEC-60068-2-32 Test:Ed
IP Rating	Default 5-Sides IP65 Option for whole system IP66/69K
Mounting Kit	VESA 75 x 75mm
Power Mode	Default is AT
System Fan	Fanless
Construction - Front	Stainless steel
Construction - Rear	Stainless steel
Component	
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W adapter (12V @ 5A adapter) AC-DC adapter screw type For optional M12 model: 60W adapter (24V @ 2.5A adapter) AC-DC adapter plug type (need waterproof M12/4pin-D2.5 DC Jack-plug 200cm cable for M12 DC in connector —> E170W060030R)

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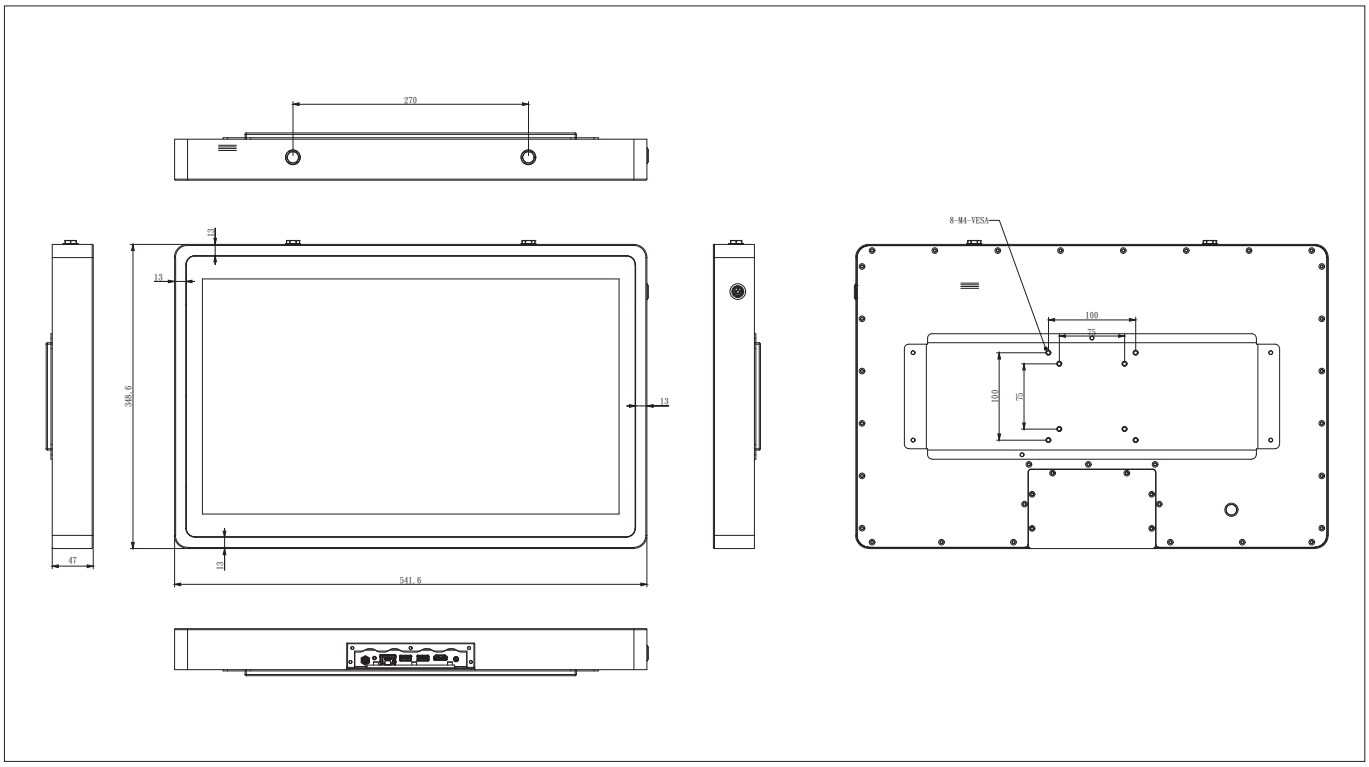
Mechanical Drawing



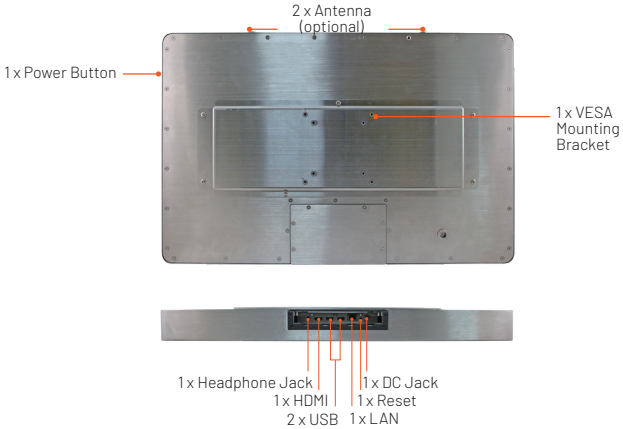
Ordering Information

P/N	Touch Type	Processor	Memory	Storage	Resolution	Luminance	COM	USB	LAN	Power Input	Operating Temp.	OS Support
SPC-21WR2-568-A1R	PCAP	RK3568	On board 2GB DDR4	On board 32GB eMMC	600 x 1024	350	0	2	1	+12V ~ +24V	0°C ~ 40°C	Android 14 / Debian 11
SPC-21WR2-568-B1R	PCAP	RK3568	On board 2GB DDR4	On board 32GB eMMC	600 x 1024	350	1	1	1	+19V ~ +24V	0°C ~ 40°C	Android 14 / Debian 11

Packing List

Item	P/N	Quantity
M4 x 6mm Screw for VESA	ACC-SCREW-0002R	4

I/O Overview



Optional Items

Item	P/N
VESA STAND, 75mm & 100 mm	ACC-ARM-D1R
VESA STAND, 75mm & 100 mm	ACC-ARM-D23R
KDS model: AC/DC adapter 12V/5A 180 Screw Type Plug	ACC-ADP-072N-02R
KDS model: USA Power Cord	E1702031835R
KDS model: EU Power Cord	E170203183DR
KDS model: Japan Power Cord	E170203183BR
KDS model: UK Power Cord	E170P060370R
KDS model: Australia Power Cord	E170P060392R
AC/DC adapter 24V/2.5A 90 Plug Type *(Suggest DC Jack to M12 cable E170W060030R (Waterproof M12 DC Cable) when adapter needed)	ACC-ADP-060N-09R
M12 model: USA Power Cord	E1702031833R
M12 model: EU Power Cord	E1702031000R
M12 model: Japan Power Cord	E1702031834R
M12 model: UK Power Cord	E170P060380R
M12 model: Australia Power Cord	E1702031831R
WiFi Kit for SPC-xxWR2	E971XSP7WR2000R
Waterproof M12 DC Cable	E170W060030R
Waterproof M12 USB Cable	E170W160030R
Waterproof M12 Lan Cable	E170W160040R
Waterproof M12 COM Cable	E170W170010R