

APPC-10SF

(R25-7221)

Android Panel PC



Product Overview

The ProDVX APPC-10SF is a high-performance 10.1" Android Panel PC featuring a Full Surround LED bar with full RGB and inLED control, offering enhanced visual appeal and functionality for dynamic environments. Powered by the RockChip RK3568 Quad-core processor and running Android 13, it delivers seamless performance for software integration and industry-specific applications. The vibrant IPS touchscreen with 1280x800 resolution and non-glare finish ensures outstanding usability, while features like PoE+, fanless cooling, mini-HDMI out, and versatile connectivity options (USB, LAN, NFC via PoGo) make it ideal for retail, hospitality, healthcare, and industrial use. The Full Surround LED bar adds a customizable lighting element that can be used for status indications or branding, elevating the user experience. Built for 24/7 operation with a demonstrated MTBF of 50,000 hours, this compact yet durable device supports flexible mounting options to meet diverse business needs.



Full Surround LED Bar: Features a fully customizable RGB surround LED light bar with individually controllable LEDs, perfect for dynamic visual notifications and enhanced user interaction.



High-Performance Hardware: Powered by a RockChip RK3568 Quad-core Cortex-A55 CPU with Mali-G52 GPU, delivering up to 2.0GHz processing speed for seamless multitasking.



Crystal-Clear Display: Direct Bonded 10.1-inch screen with 1280x800 resolution, 450 cd/m² brightness, and 1000:1 contrast ratio, enhanced by an edge-LED backlight for vibrant visuals.

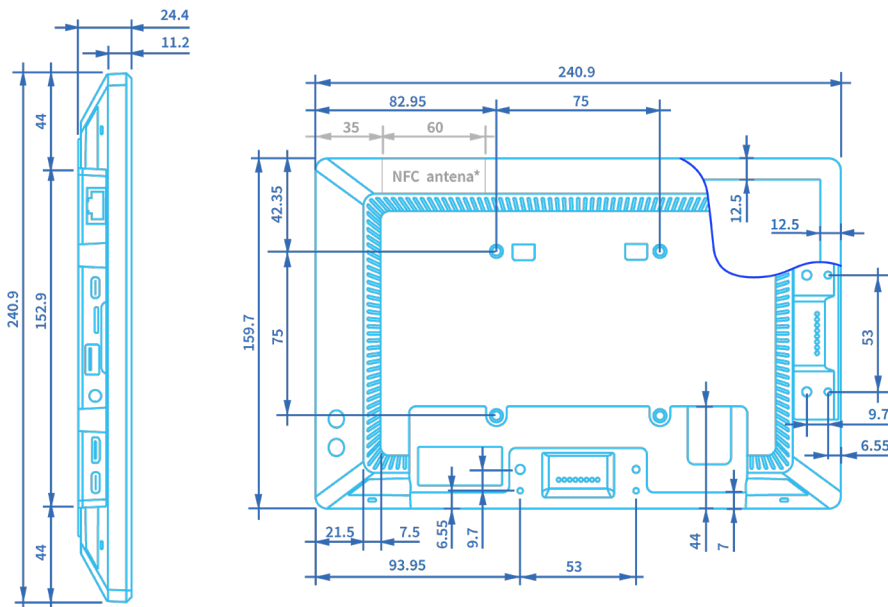


Comprehensive Connectivity: Features LAN & WiFi with 802.1X authentication (PEAP/TLS/T-TLS), PoE capability, optional Bluetooth via USB dongle, and SD-card external storage.



ProDVX Design: Fanless cooling system, ABS+PC (Macrolon) housing, and >6H hardness cover glass for durability in various environments

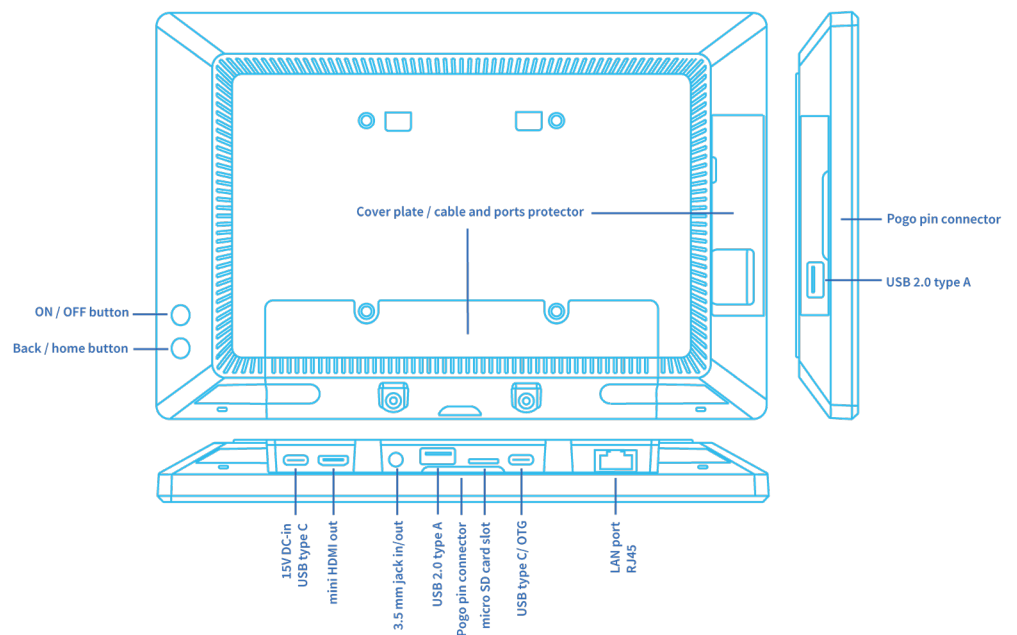
Technical Drawing



Sustainability

At ProDVX we are committed to doing our part when it comes to the environment. Our products are designed to have the lowest possible impact on the environment, from inception to product retirement. We also strive to operate our offices and warehouse in a carbon-neutral manner. Our aim is to lead the way in conducting responsible business in the digital signage hardware industry.

I/O Overview



Optional Accessories

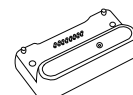
- GM-75_(8080850) VESA 75 compatible glass mount
- TS-10_(8085100) VESA 75 compatible table stand
- DS-10_(8010100) VESA 75/100 compatible desk stand



Wi-Fi & Bluetooth dongle (9010355)



NFC module (9010100)



Camera (9010200)



Barcode scanner (9010300)

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Article code: 5010720

Product Specifications

Certification:

UKCA,CE,FCC,RoHS,REACH

Performance

CPU model	RockChip RK3568
CPU type	Quad-core Cortex-A55
CPU speed	A55 - up to 2.0GHz
GPU type	Mali-G52
GPU speed	up to 950MHz
RAM	4GB
RAM type	LPDDR4
Storage	16GB
Storage type	eMMC
External storage	SD-Card Slot
Operating System	Android 13

Special

PoE	IEEE 802.3at (PoE+)
IEEE 802.1x	LAN & WiFi, PEAP/TLS/TTLS
Cooling	Fanless
HDMI-in	N.A.
HDMI-out	Yes, mini-HDMI out
WiFi	optional via USB dongle
Bluetooth	optional via USB dongle
LAN	10/100/1000 Mbps LAN
Audio internal	2 x 2 W
Audio external	3.5mm jack in/out
Microphone	Microphone array
USB ports	1x USB 2.0 type A
OTG	1x USB 3.0 type C
Other ports	1x USB 2.0 type A (door)
PoGo slots	2x (bottom/left)
NFC	via PoGo & USB
Camera	via PoGo & USB
Barcode scan	via PoGo & USB
LED	Individually controlled Full RGB LED
Operating hrs	24h / 7d
MTBF	50,000 hours demonstrated
Clock batt.	CR1220 Lithium metal, non rechargeable
Alternative OS	N.A.
Power input	15 V / 2 A DC input
Operating temp	0 ~ 40 degrees C
Storage temp	-10~55 degrees C
Humidity	10 ~ 90 % non-condensing
Warranty	3 years
Orientation	Landscape,Portrait,Flushmount
SIM card slot	N.A.
Power usage	10 ~ 23 Watt
OSD language	Multi OSD language
Motion sensor	N.A.

Panel

LCD	1280x800xRGB@60Hz
Type	Direct bonded TFT LCD IPS
Size	10.1
Contrast	1000 to 1
Viewing Angle	H160 / V160
Colours	8 bit LVDS (16.7M) 72%NTSC CIE1931
Response time	25 ms
Backlight	Edge-LED backlight
BLU	450 cd/m2
Cover glass	>6H - 1.55mm
Treatment	Non-glare
Haze	2 ~ 8%
Touch type	10 TP Pcap 10ms

Frame

Size	240,9 x 159,7 x 24,4 mm
Weight	600 g
Material	ABS+PC (Macrolon)
VESA	VESA 75
Color	Black

Multimedia support

Image format	JPG,JPEG,PNG,BMP,GIF
Audio format	AAC,ASF,MP2,OGG,WAV,WMA
Video format	H.264,MP4,MPG,MPEG2,MPEG4