PRO DVX | ALWAYS ON

APPC-10SFN

(R25-7281)

Android Panel PC



Product Overview

The ProDVX APPC-10SFN is a versatile 10.1” Android Panel PC featuring a Full Surround LED bar and an integrated NFC reader, making it perfect for dynamic environments and interactive applications. Powered by the RockChip RK3568 Quad-core processor and running Android 13, it delivers reliable performance with 4GB RAM and 16GB storage, expandable via SD card. The customizable Full Surround LED bar enhances branding or provides visual status indicators, while the NFC reader (NXP PN7160) enables seamless contactless interactions, ideal for retail, hospitality, and access control. Its direct-bonded IPS touchscreen with 1280x800 resolution offers sharp visuals and responsive touch, complemented by PoE+, fanless cooling, mini-HDMI out, and versatile connectivity options (USB, LAN). Designed 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.

Integrated NFC Technology: Built-in NFC support enables seamless contactless interactions, secure authentication, and streamlined access control.

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 smooth and efficient performance.

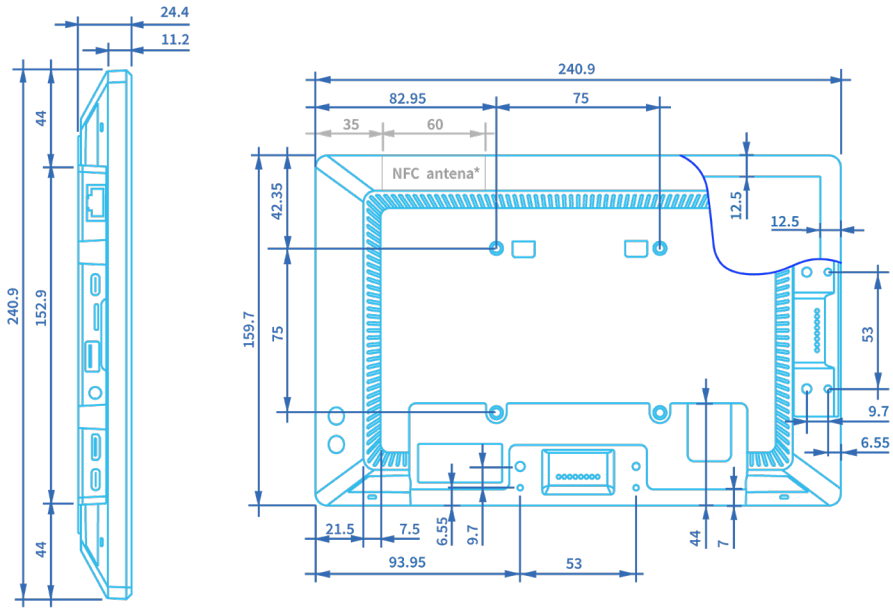
Crystal-Clear Display: 10.1-inch touchscreen with 1280x800 resolution, 450 cd/m² brightness, and edge-LED backlighting ensures vibrant visuals and optimal clarity.

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

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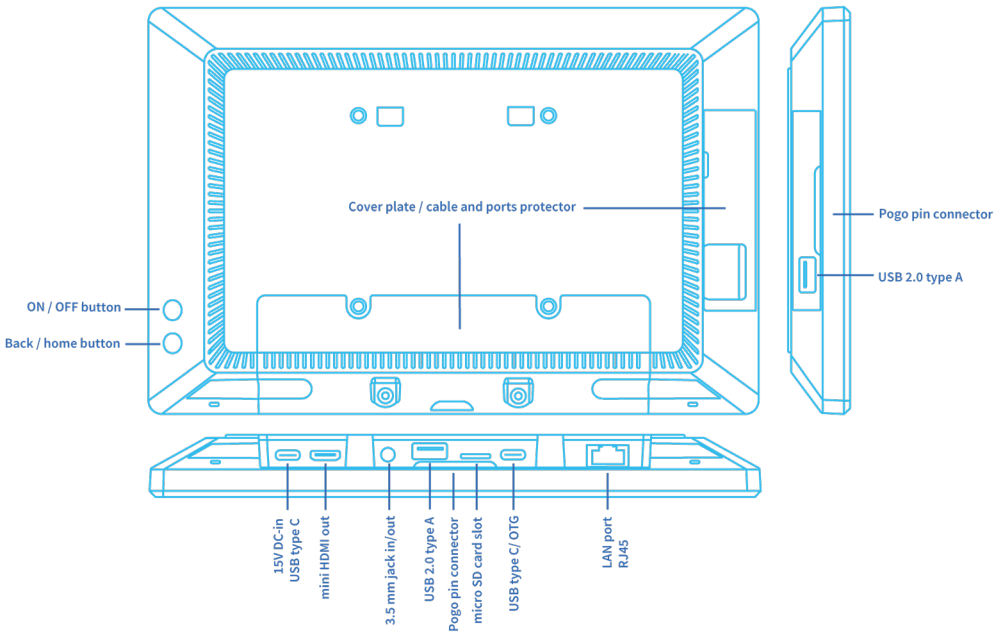
Technical Drawing



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)



Camera (9010200)



Barcode scanner (9010300)

* Compatible with all ProDVX VESA 100 stands, mounts & brackets.

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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

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

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	Integrated NFC reader (NXP PN7160)
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.

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

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