

# 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/m<sup>2</sup> 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.

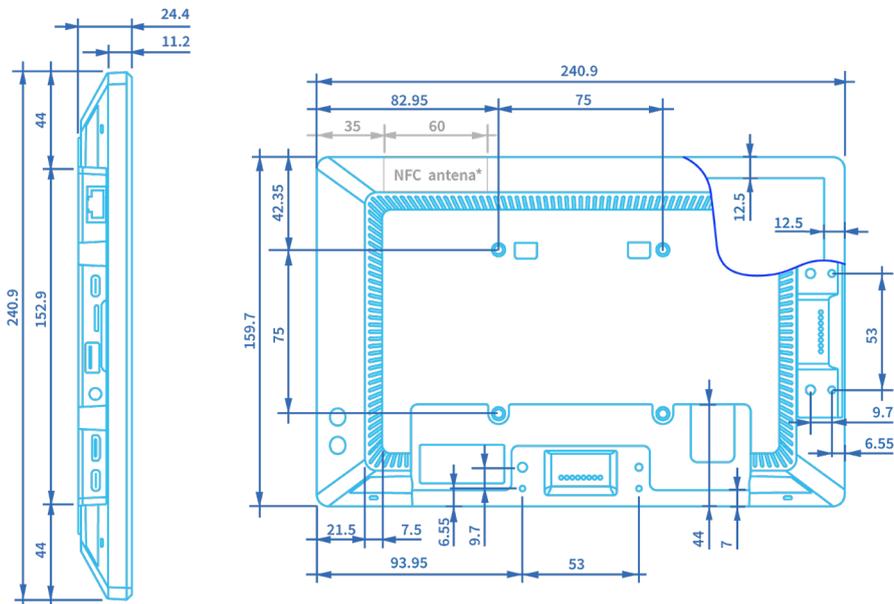


**ProDVX Design:** Fanless cooling system, ABS+PC (Macrolon) housing, and >6H hardness cover glass for durability in various environments

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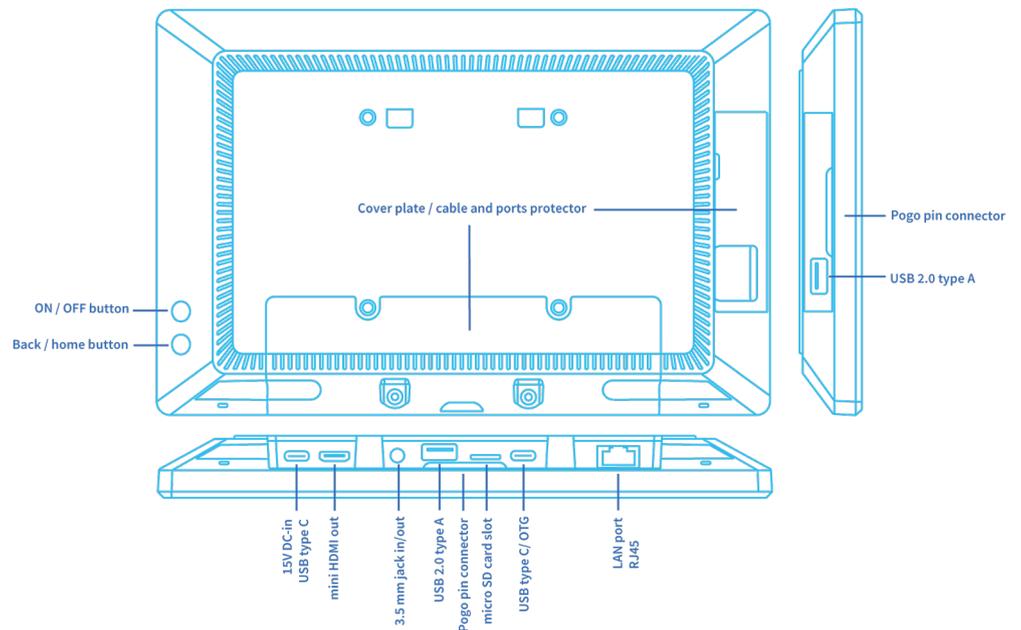
## Technical Drawing



## Sustainability

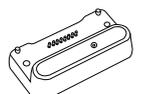
At ProDVX we are committed to doing our part when it comes to the environment. Our products are designed to have the lowest possible impact on the environment, from inception to product retirement. We also strive to operate our offices and warehouse in a carbon-neutral manner. Our aim is to lead the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



Camera  
(9010200)



NFC module  
(9010100)



Barcode scanner  
(9010300)

\* Compatible with all ProDVX VESA 75 stands, mounts & brackets.

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Certification:

UKCA,CE,FCC,RoHS,REACH

## Product Specifications

### 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                   |

### 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 |

### 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     | Yes                                    |
| 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    | 12 V / 2 A (EU, UK, US)                |
| 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.                                   |

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