PRO DVX | ALWAYS ON

APPC-24X
(R23-7001)

Android Panel PC

Product Overview

The APPC-24X (R23-7001), featuring the latest Rockchip dual-processor and Mali-T860 GPU, is set to redefine performance standards. With 4GB of RAM and 16GB of storage, multitasking becomes a breeze. Operating on Android 11, it boasts one of the most flexible and secure operating systems available. The APPC-24X (R23-7001) achieves a maximum brightness of 250 cd/m2. Paired with a 10-point touch-enabled panel treated for non-glare, this Android Panel PC ensures an optimal user experience. Tailored for interactive kiosks, the APPC-24X (R23-7001) comes with a VESA mounting frame for easy installation. Its array of I/O ports ensures compatibility with a wide range of peripheral devices, making it a versatile solution for your needs.

Powered by Android 11, the APPC-24X offers access to the full range of advantages that the Android platform provides, including robust security features and great flexibility.

Revolutionise your user experience with the APPC-24X, fuelled by a powerful Rockchip dual-processor and Mali-T860 GPU, this Android Panel PC delivers high performance and advanced graphical capabilities.

Enjoy a simplified installation process. The APPC-24X is easy to install with its VESA mounting frame. You will be up and running in no-time.

Unlock the full potential of the APPC-24X by pairing it with our pogo pin accessories. Available accessories include an NFC reader, Barcode scanner, Camera and LED module.
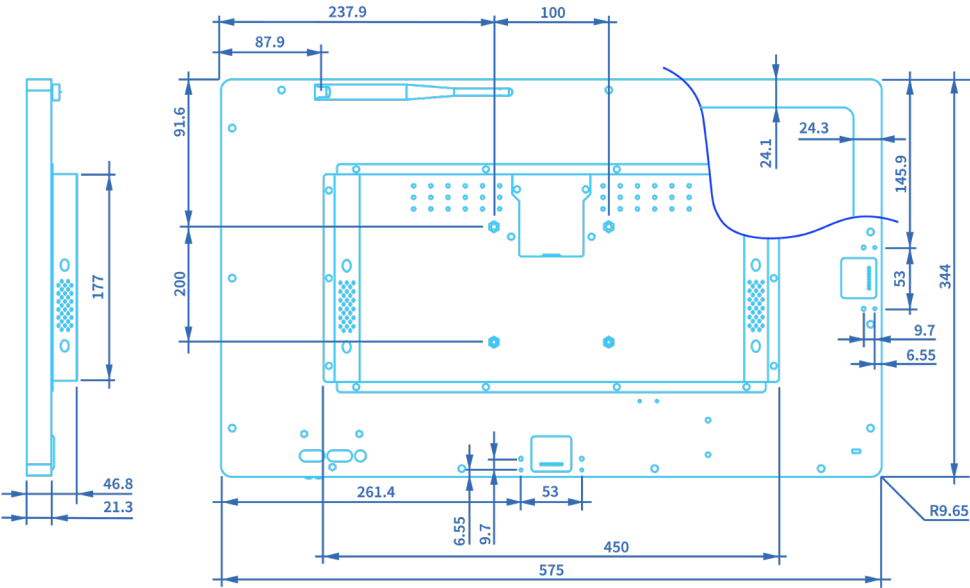
The APPC-24X comes with a new non-glare coating, contributing to a more comfortable viewing experience by reducing reflections, enhancing visibility and diminishing eye strain.
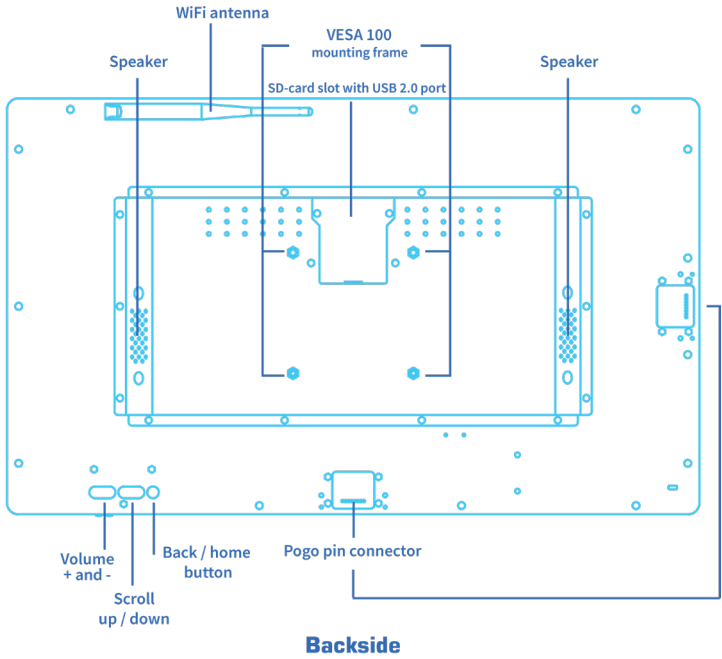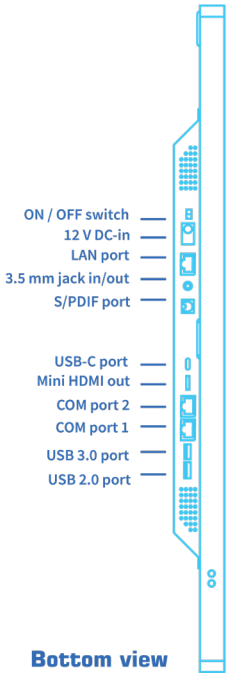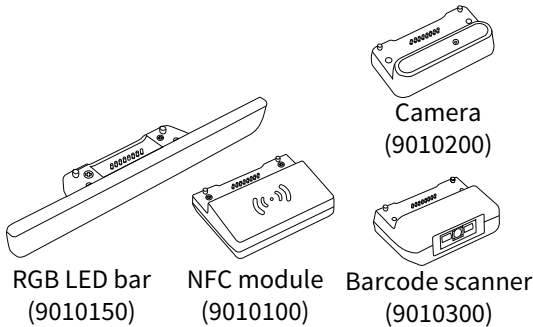
Technical Drawing

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

ON / OFF switch
12 V DC-in
LAN port
3.5 mm jack in/out
S/PDIF port

USB-C port
Mini HDMI out
COM port 2
COM port 1
USB 3.0 port
USB 2.0 port

Bottom view

WiFi antenna
Speaker
VESA 100 mounting frame
SD-card slot with USB 2.0 port
Speaker

Volume + and -
Scroll up / down
Back / home button
Pogo pin connector

Backside

Optional Accessories

Please contact your account manager for accessories

Camera
(9010200)

RGB LED bar
(9010150)

NFC module
(9010100)

Barcode scanner
(9010300)

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

Certification:

UKCA,CE,FCC,RoHS,REACH

Product Specifications

Performance

CPU model	RockChip RK3399
CPU type	Dual-core Cortex-A72,Quad-core Cortex-A53
CPU speed	A53 - 1.4GHz,A72 - 1.8GHz
GPU type	MALI T860MP4 / 3D Graphic Engine (4K)
GPU speed	up to 700MHz
RAM	4GB
RAM type	LPDDR4
Storage	16GB
Storage type	eMMC
External storage	SD-Card Slot (door)
OS	Android 11

Panel

LCD	1920x1080xRGB@60Hz
Type	TFT LCD IPS
Size	23.6
Contrast	1000 to 1
Viewing Angle	H178 / V178
Colours	8 bit LVDS (16.7M) 72%NTSC CIE1931
Response time	30 ms
Backlight	Edge-LED backlight
BLU	250 cd/m2
Cover glass	>6H - 2mm
Treatment	Non-glare
Haze	4 ~ 10%
Touch type	10 point touch projected capacitive

Frame

Size	575,8 x 344,8 x 44 mm
Weight	7210 g
Material	Metal
VESA	VESA 100
Color	Black

Special

PoE	N/A
IEEE 802.1x	LAN & WiFi, PEAP/TLS/TTLS
Cooling	Fanless
HDMI-in	N.A.
HDMI-out	Yes, mini-HDMI out
WiFi	802.11 a/b/g/n (external antenna)
Bluetooth	5
LAN	10/100/1000 Mbps LAN
Audio internal	2 x 3 W
Audio external	3.5mm jack in/out
Microphone	via USB & 3.5mm jack
USB ports	1x USB 3.0 type A,1x USB 2.0 type A
OTG	1x USB 3.0 type C
Other ports	optical audio,2x RS-232 (RJ45)
PoGo slots	2x (bottom/left)
NFC	via PoGo & USB
Camera	via PoGo & USB
Barcode scan	via PoGo & USB
LED	via PoGo
Operating hrs	24h / 7d
MTBF	50,000 hours demonstrated
Clock batt.	CR1220 Lithium metal, non rechargeable
Alternative OS	Android 9,Debian 11
Power input	12 V / 5 A
Operating temp	0 ~ 40 degrees C
Storage temp	-10~55 degrees C
Humidity	10 ~ 90 % non-condensing
Warranty	3 years
Orientation	Landscape,Portrait,Table Mode
SIM card slot	N.A.
Power usage	40 ~ 60 Watt
OSD language	Multi OSD language

Multimedia support

Image format	JPG,JPEG,PNG,BMP,GIF
Audio format	AAC,ASF,MP2,OGG,WAV,WMA
Video format	3GP,ASF,AVI,DAT,FLV,MKV,MOV,VOB,WMV,MP4,MPG,RM,TS