PRO DVX | ALWAYS ON

APPC-10SLBN
(R23-7581)

Android Panel PC

Product Overview

The APPC-10SLBN (R23-7581) is a 10.1-inch Android Panel PC, featuring Android 12 and a new quad-core Cortex-A55 CPU and Mali-G52 GPU (RK3568). It comes with a surround full RGB LED bar for efficient signalling, and an integrated NFC reader for NFC-enabled solutions. The APPC-10SLBN (R23-7581) ensures superior performance and next-level user experience. Enjoy hassle-free installation with the VESA mounting frame, and Power over Ethernet+ capability for efficient power provisioning. In addition, the non-glare touch panel, which supports 10-point PCAP touch functionality and high brightness, ensures an optimal user experience. The APPC-10SLBN (R23-7581) is a highly versatile device, capable of handling any solution with ease. Its variety of I/O ports and pogo pin ports allow you to add any peripheral to further enhance your solution.

Powered by Android 12, the APPC-10SLBN 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-10SLBN, fuelled by a new powerful quad-core Cortex-A55 CPU and Mali-G52 GPU, this Android Panel PC delivers high performance and advanced graphical capabilities.

Simplify the installation process. The APPC-10SLBN is easy to install with its VESA mounting frame and Power over Ethernet+. You will be up and running in no-time.
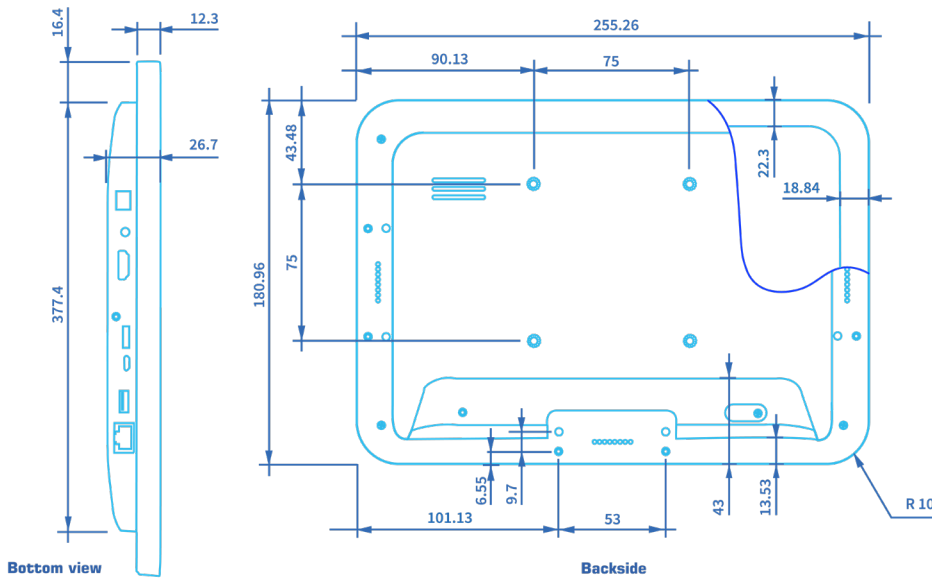
Enjoy state-of-the-art features, including our iconic full RGB surround LED bar for effective signalling, and an integrated NFC module for easy communication with other NFC-enabled devices.

The APPC-10SLBN comes with a new non-glare coating, contributing to a more comfortable viewing experience by reducing reflections, enhancing visibility and diminishing eye strain.
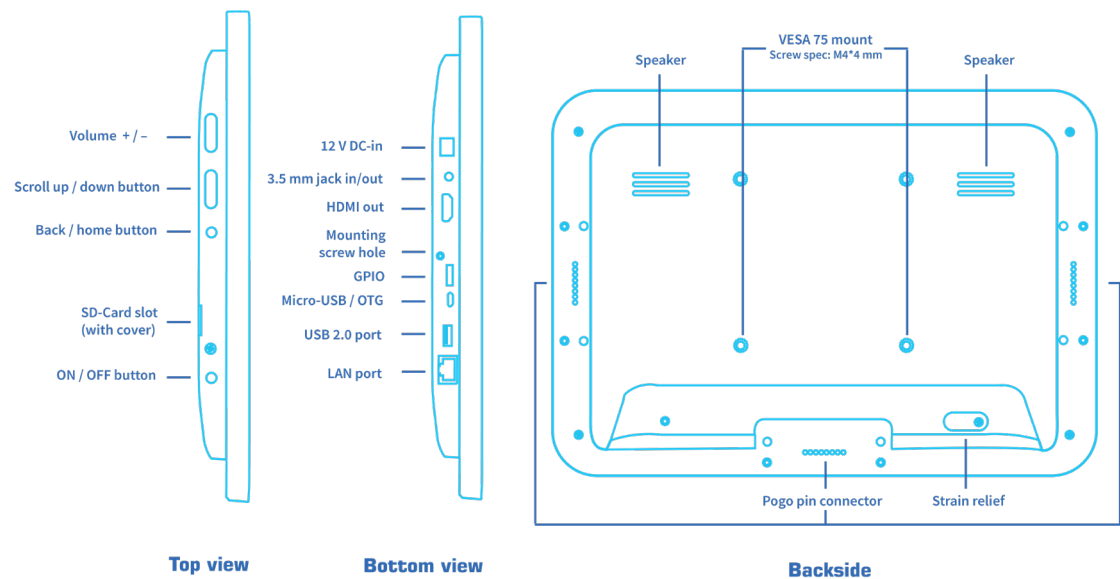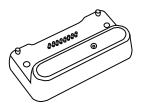
Technical Drawing

Bottom view

Backside

I/O Overview

Volume + / –
Scroll up / down button
Back / home button
SD-Card slot (with cover)
ON / OFF button

12 V DC-in
3.5 mm jack in/out
HDMI out
Mounting screw hole
GPIO
Micro-USB / OTG
USB 2.0 port
LAN port

Speaker
VESA 75 mount
Screw spec: M4*4 mm
Speaker

Pogo pin connector
Strain relief

Top view

Bottom view

Backside

Optional Accessories

GM-75_(8080850) VESA 75 compatible glass mount
MH-10_(8080960) Stainless steel housing for protection
FM-10_(8080950) Flush mount for in-wall mounting
TS-10_(8085100) VESA 75 compatible table stand
DS-10_(8010100) VESA 75/100 compatible desk stand

Camera
(9010200)

Barcode scanner
(9010300)

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

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 (door)
OS	Android 12

Panel

LCD	1280x800xRGB@60Hz
Type	TFT LCD IPS
Size	10.1
Contrast	800 to 1
Viewing Angle	H160 / V160
Colours	8 bit LVDS (16.7M) 72%NTSC CIE1931
Response time	30 ms
Backlight	Edge-LED backlight
BLU	500 cd/m2
Cover glass	>6H - 1.55mm
Treatment	Non-glare
Haze	2-8%
Touch type	10 TP Pcap 10ms

Frame

Size	255,3 x 181 x 26,7 mm
Weight	650 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, HDMI out
WiFi	802.11 a/b/g/n/ac
Bluetooth	5
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 2.0 type micro
Other ports	GPIO
PoGo slots	3x (bottom/left/right)
NFC	Integrated NFC reader (NXP PN553)
Camera	via PoGo & USB
Barcode scan	via PoGo & USB
LED	Surround LED Bar (full RGB)
Operating hrs	24h / 7d
MTBF	50,000 hours demonstrated
Clock batt.	CR1220 Lithium metal, non rechargeable
Alternative OS	Debian 11
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,Table Mode
SIM card slot	N.A.
Power usage	10 ~ 23 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	H.264,MP4,MPG,MPEG2,MPEG4