POE ANDROID TOUCH COMPUTER

21.5" PoE Android Touch Computer

All-in-one PCAP touch computer powered over Ethernet (IEEE 802.3bt), running Android 14 on the Rockchip RK3576S.

PART NO. 1A0199-01



21.5"	1920×1080	250	Android 14
DIAGONAL	RESOLUTION	NITS	OPERATING SYSTEM

KEY FEATURES

- Single-cable install: power and data over IEEE 802.3bt PoE
- 10-point projected capacitive touch
- RK3576S processor, 4GB RAM, 32GB storage
- Android 14 with gigabit Ethernet, Wi-Fi 6 and Bluetooth 5.4
- RGB LED status light bars for room and queue status
- Optional NFC (13.56 MHz) and 125 kHz RFID readers
- Custom OS image, app preload, branding and mounting options

KEY SPECIFICATIONS

Size	**21.5"**
Resolution	**1920 × 1080**
Brightness	**250 cd/m²**
Touch	**10-point PCAP**
Operating system	**Android 14**
Processor	**RK3576S Quad core cortex A72+Quad core cortex A53**
Memory	**4GB**
Storage	**32GB**
Power	**PoE IEEE 802.3bt; 12 V DC input**
Mounting	**VESA 200×100mm**
Dimensions (L×W×H)	**520.6 × 312.5 × 27.5 mm**
Operating temp.	**0 to 40 °C**

APPLICATIONS Meeting-room booking · Wayfinding · Check-in and self-service · Retail and hospitality signage · Access control

Design it in with DCLTEK.

Custom OS images, app preload, branding and mounting, backed by US-based engineering and support.

Request a quote or samples

sales@dcltek.com · 1-800-407-8917
www.dcltek.com

Full specifications — 21.5" PoE Android Touch Computer

SYSTEM

CPU	**RK3576S Quad core cortex A72+Quad core cortex A53**
GPU	**ARM Mali G52 MC3**
NPU	**3.0 TOPS**
RAM	**4GB**
Internal memory	**32GB**
Operating system	**Android 14**

DISPLAY

Panel size	**21.5"**
Resolution	**1920 × 1080**
Color gamut	**75% NTSC**
Viewing angle	**R/L 89/89, U/D 89/89**
Contrast ratio	**3000:1**
Brightness	**250 nits**
Backlight lifetime	**30000h**
Aspect ratio	**16:9**

TOUCH

Touch type	**Capacitive touch screen**
Touch points	**10-Point**

NETWORK

WiFi	**IEEE 802.11a/b/g/n/ac/ax (Wi-Fi 6)**
Bluetooth	**Bluetooth 5.4**
Ethernet	**10M/100M/1000M**

INTERFACE

RJ45	**1×Ethernet interface (POE as Standard, IEEE 802.3bt)**
USB-A	**1×USB 2.0 HOST**
USB-A	**1×USB 3.0 HOST**
Type-C	**1×Type-C (Only supports OTG function)**
HDMI IN	**1×HDMI 2.0**
Power Jack	**DC 12V power input**

MEDIA

Decoder	**H.264, H.265, VP9, AV1, AVS2, JPEG**
Encoder	**H.264, H.265, JPEG**

OTHER

Color	**White/Black**
VESA	**200×100mm**
Button	**Power**
G-sensor	**Supports 90 degree rotation**
Speaker	**4Ω*5W*2**
Microphone	**Standard Quad Microphone, Supports noise reduction and echo cancellation**
NFC	**Optional, NXP PN7160, ISO/IEC 18092(NFCIP-1), ISO/IEC 21481(NFCIP-2), ISO/IEC 14443A, ISO/IEC 14443B, ISO/IEC15693, Mifare Classic, Mifare Ultralight, MIFARE DESFire EV1/ EV2, Sony FeliCa**
RFID	**Optional, 125k, ISO/IEC 11784/11785, EM4100, TK4100/GK4100**
LED light bar	**RGB**
Camera	**5.0MP**

ENVIRONMENT

Operating temperature	**0 to 40 °C**
Storage temperature	**-20 to 60 °C**
Operating humidity	**20~80%RH**
Storage humidity	**10~95%RH**

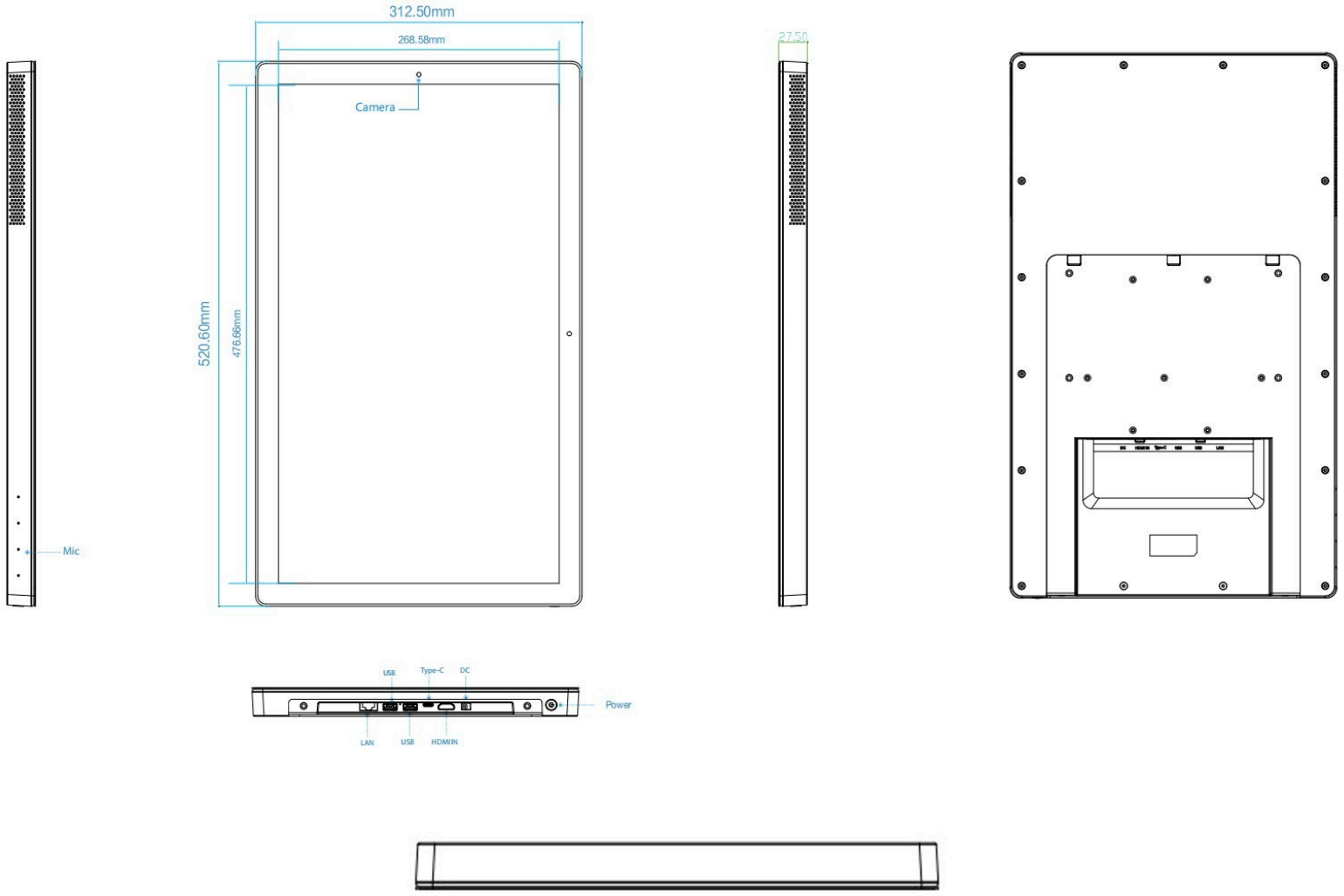
ACCESSORIES

Adapter	**12V/4.0A**
User manual	**1 included**
Wall mounted	**1 included**

MECHANICAL

Dimensions (L×W×H)	**520.6 × 312.5 × 27.5 mm**
Mounting	**VESA 200×100mm**

Mechanical drawing — 21.5" PoE Android Touch Computer



Dimensions in mm. For reference only; request a 2D/3D CAD file from DCLTEK for design-in.