POE ANDROID TOUCH COMPUTER

8" PoE Android Touch Computer

All-in-one PCAP touch computer powered over Ethernet (IEEE 802.3at), running Android 11 on the Rockchip RK3568.



PART NO. 1A0190-01

8"	1280×800	320	Android 11
DIAGONAL	RESOLUTION	NITS	OPERATING SYSTEM

KEY FEATURES

- Single-cable install: power and data over IEEE 802.3at PoE
- 5-point projected capacitive touch
- RK3568 processor, 2GB (4GB optional) RAM, 16GB (32GB/64GB optional) storage
- Android 11 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	**8"**
Resolution	**1280 × 800**
Brightness	**320 cd/m²**
Touch	**5-point PCAP**
Operating system	**Android 11**
Processor	**RK3568 Quad core cortex A55**
Memory	**2GB (4GB optional)**
Storage	**16GB (32GB/64GB optional)**
Power	**PoE IEEE 802.3at, up to 30 W; 12 V DC input**
Mounting	**VESA 75×75mm**
Dimensions (L×W×H)	**212.6 × 148 × 21.9 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 — 8" PoE Android Touch Computer

SYSTEM

CPU	**RK3568 Quad core cortex A55**
RAM	**2GB (4GB optional)**
Internal memory	**16GB (32GB/64GB optional)**
Operating system	**Android 11**
Touch screen	**5-Point capacitive touch**

DISPLAY

Panel	**8" LCD panel**
Panel type	**IPS**
Resolution	**1280 × 800**
Display colors	**16.7M Colors**
Viewing angle	**R/L 80/80, U/D 80/80**
Display mode	**Normally black**
Contrast ratio	**1200:1**
Response time	**25ms**
Backlight	**LED**
Brightness	**320cd/m²**
Aspect ratio	**16:10**

NETWORK

WiFi	**IEEE 802.11a/b/g/n/ac/ax**
Bluetooth	**Bluetooth 5.4**
Ethernet	**10M/100M/1000M ethernet**

INTERFACE

Power jack	**DC power supply 12V input**
USB	**USB for serial (TTL Level), Optional for USB Host**
USB	**USB 3.0 host**
Earphone	**3.5mm earphone + Micphone**
Type-c	**USB OTG Only**
TF Card	**TF card, Max Supports to 64GB**
RJ45	**Ethernet interface**

MEDIA

Video format	**MPEG-1, MPEG-2, MPEG-4, H.265, H.264, H.263, VC-1, VP8, VP9, MVC, etc.; supports up to 4K**
Audio format	**MP3/WMA/AAC/WAV/OGG, etc.**
Photo	**JPEG/PNG/GIF, etc.**

OTHER

Color	**White/Black**
VESA	**75×75mm**
Button	**Power**
G-sensor	**Supports 90 degrees**
Speaker	**2 × 2 W**
Microphone	**Dual microphone**
NFC	**Optional, 13.56MHz, ISO/IEC 18092, ISO/IEC 21481, ISO/IEC 14443 A&B, ISO/IEC 15693, Japanese Industrial Standard (JIS) (X) 6319-4, MIFARE Classic encrypted tags and cards**
RFID	**Optional, 125k, ISO/IEC 11784/11785, EM4100, TK4100/GK4100**
LED light bar	**LED Light bar, RGB**
Camera	**5 million from a conventional perspective**
Language	**Multi-language**
PoE	**Supports IEEE802.3at, up to 30W**

ENVIRONMENT

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

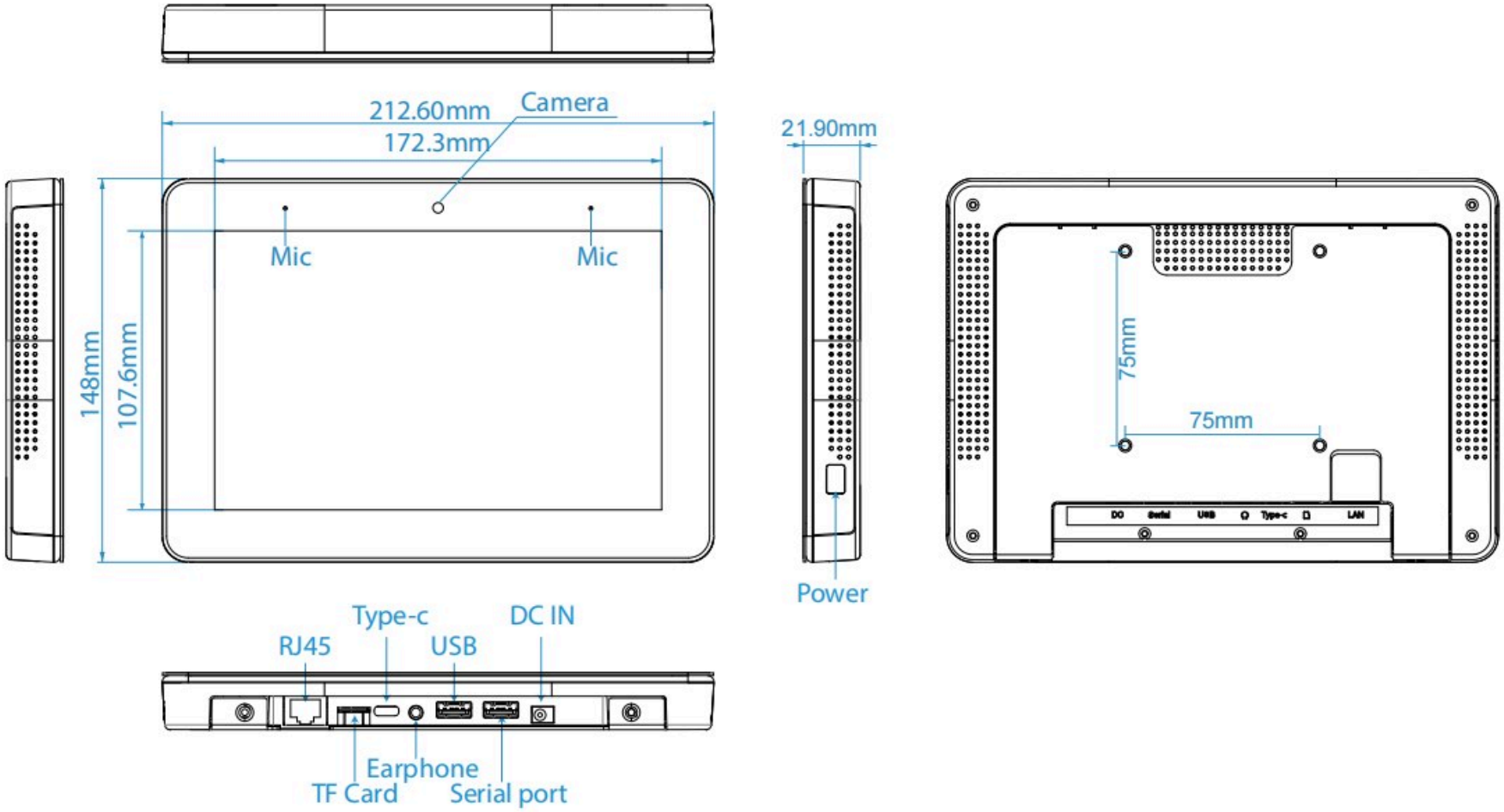
ACCESSORIES

Adapter	**Adapter, 12V/1.5A**
User manual	**1 included**

MECHANICAL

Dimensions (L×W×H)	**212.6 × 148 × 21.9 mm**
Mounting	**VESA 75×75mm**

Mechanical drawing — 8" PoE Android Touch Computer



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