ULTRA-THIN ARM ALL-IN-ONE PANEL PC / A26 SERIES

# 12" Ultra-Thin ARM Panel PC

50 mm ultra-thin aluminium housing · IP65 front panel · RK3399 / RK3568 / RK3588 options

MODEL
**STDTPC-120-A26** **-RK3399**

LCD 12" TFT
1024×768 · 4:3 · 300 cd/m²



Front 3/4 · aluminium front frame (50 mm)

| 12" | 1024×768 | RK3399 | 4GB DDR3 | −10~60 ℃ | IP65 |
|---|---|---|---|---|---|
| Screen size | Resolution | CPU option | Memory (opt.) | Operating temp. | Front IP rating |

**FIG. 1 PRODUCT VIEWS**

Die-cast aluminium rear · standard VESA · 50 mm thick



FRONT



REAR · VESA 100



SIDE · 50 mm

## 01 DISPLAY
Display

| | |
|---|---|
| Panel | 12" TFT LCD, industrial grade |
| Resolution | 1024 × 768 (4:3) |
| Viewing angle | 89 / 89 / 89 / 89 (L/R/U/D) |
| Colour | 16.7M |
| Brightness | 300 cd/m² |
| Contrast | 1000 : 1 |

## 02 HARDWARE
Hardware

| | |
|---|---|
| CPU option | RK3399 (3568 / 3588 opt.) |
| CPU core | 6-core 2.0 GHz (2×A72 + 4×A53) |
| GPU | Mali-T860 MP4 |
| Memory | 4 GB DDR3 (2–32 GB opt.) |
| Storage | 64 GB eMMC (max. 256 GB) |
| OS | Android 7.1/9.0/11 · Ubuntu · Linux |
| Wireless | Dual-band 2.4/5G WiFi · BT 4.2 |
| Expansion | 3G/4G/5G · GPS · MIC optional |

## 06 POWER & STRUCTURE
Power & structure

| | |
|---|---|
| Power input | DC 12–36 V (wide range) |
| Idle power | 18 W |
| Outline W×H×D | 295.4 × 234.4 × 43 mm |
| VESA | 100 × 100 / 75 × 75 |

## 03 INTERFACE
Interface

| | |
|---|---|
| DC input | 1×DC 5.5×2.1 mm, 12–36 V |
| HDMI | 1×, up to 4K |
| USB | 1×USB 2.0 + 1×OTG |
| LAN | 1×RJ45, 10/100/1000M |
| Serial | 1×RS232 |
| Card slot | 1×TF + 1×SIM |
| Audio | 1×Audio I/O, 3.5 mm |

## 04 TOUCH
Touch

| | |
|---|---|
| Touch type | 10-point PCAP (standard) |
| Touch points | 10 points |
| Transmittance | ≥ 88% |
| Interface | USB (internal) |

## 05 RELIABILITY
Reliability

| | |
|---|---|
| Operating temp. | −10 °C ~ 60 °C |
| Storage temp. | −20 °C ~ 70 °C |
| Humidity | 95% (non-condensing) |
| Vibration | IEC 60068-2-64, 5–500 Hz |
| Shock | IEC 60068-2-27, 11 ms |
| Protection | IP65 front |

**NOTES**
1. All dimensions in mm, tolerance ±0.5; outline see Fig. 2.
2. One of three CPU options; memory / storage per option, see page 3.
3. Touch is standard 10-point PCAP; model body unchanged.

**STARK TOUCH DEVICE**

| | |
|---|---|
| PROJECT<br>**Ultra-Thin ARM Panel PC / A26** | MODEL<br>**STDTPC-120-A26-RK3399** |
| DWG NO.<br>**STD-DS-UTPC120** | SCALE<br>**NTS** |
| REV.<br>**A** | DATE<br>**2026.11** |

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# Dimension & Installation

Outline W×H×D and VESA spacing follow the 12" engineering drawing; unit mm, tolerance ±0.5.

**FIG. 2 OUTLINE DIMENSIONS**

UNIT: mm ±0.5




**DIMENSION TABLE**

| Item | Value | Tol. | Remark |
|---|---|---|---|
| Outline W×H×D | 295.4 × 234.4 × 43 | ±0.5 | incl. bezel |
| Bezel thickness | 8.00 | ±0.2 | flush bezel |
| Total depth | 43.00 | ±0.5 | incl. rear cover |
| VESA | 100 × 100 / 75 × 75 | ±0.3 | M4 screws |

**FIG. 3 MOUNTING**

- Desktop stand (standard)
- Wall mount (VESA 100/75)

Desktop and wall mount only: the stand rests on a flat surface; wall mounting uses a VESA 100×100 / 75×75 bracket.

**FIG. 4 INTERFACE**




Port layout (12", refer to the silkscreen on the unit)

**INSTALLATION NOTES**

1. Desktop: place the stand on a flat surface ≥200×200 mm; tilt adjustable ±15° after locking.
2. Wall mount: use M4×8 screws on the VESA 100/75 pattern, torque ≤0.5 N·m.
3. Leave ≥50 mm clearance around the sides and rear for heat dissipation.
4. Wide-range 12–36 V input; use the original adapter and follow the DC polarity marked on the rear.

**MATERIAL & THERMAL**

3 mm flush aluminium bezel
Die-cast aluminium rear, sealed
Fanless passive cooling, thermal pad

**ACCESSORIES**

Adapter ×1, power cord ×1
WiFi antenna ×1
VESA M4 screws ×4

**OPTIONS**

Cutout / silkscreen / I/O customisation
CPU 3399 · 3568 · 3588
Memory / storage per option

**STARK TOUCH DEVICE**

| | |
|---|---|
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| DWG NO.<br>**STD-DS-UTPC120** | SCALE<br>**NTS** |
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# Packing, Configuration & Ordering

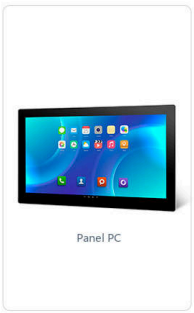
## NAMING RULE

| STDTPC | -270 | -A26 | -RK3399 |
|---|---|---|---|
| Brand | Size code | Ultra-thin ARM series | CPU option |

Touch is standard 10-point PCAP, not part of the model number.

Example: STDTPC-120-A26-RK3399 = 12″ ultra-thin ARM panel PC with RK3399; change the last segment to -RK3568 / -RK3588 for other CPUs.

## PACKING LIST


Panel PC


Carton ×1


Power adapter ×1


Power cord 1.5 m ×1


Manual + warranty ×1

## PACKING DATA (12″)

| Item | Weight | Remark |
|---|---|---|
| Net | 2.15 kg | Unit only |
| Packing + accessories | 1.06 kg | Carton + adapter |
| Gross | 3.63 kg | 1 pc per carton |
| Carton (mailer box) | 382×289×97 | Sealed 388×292×100 |

## QUALIFICATION

| Item | Status |
|---|---|
| Front IP rating | IP65 |
| Industrial protection | EMC / ESD / vibration |
| Certification | CE · RoHS (per order) |

## CPU OPTIONS

| CPU option | Cores / clock | Memory (opt.) | Storage (opt.) | OS | BT / WiFi |
|---|---|---|---|---|---|
| RK3399 | 6-core 2.0 GHz<br>2×A72 + 4×A53 | 2 / 4 / 8 / 16 / 32 GB | 8 GB – 256 GB eMMC | Android 7.1 / 9.0 / 11<br>Ubuntu · Debian · Linux 4.4+QT | BT 4.2 · dual-band 2.4/5G |
| RK3568 | 4-core 2.0 GHz<br>Cortex-A55 · NPU 1T | 2 / 4 / 8 / 16 / 32 GB | 8 GB – 256 GB eMMC | Android 12.0<br>Linux 5.10 · Ubuntu · Debian | BT 5.2 · dual-band 2.4/5G |
| RK3588 | 8-core 2.4 GHz<br>4×A76 + 4×A55 · NPU 6T | 4 / 8 / 16 / 32 GB | 8 GB – 256 GB eMMC | Android 12.0 / 13.0<br>Ubuntu · Debian · Linux | BT 5.2 · dual-band 2.4/5G |

All three options support 3G/4G/5G modules, GPS and MIC; RTC, scheduled power on/off and local USB upgrade included.

## SELECTION TABLE

| MODEL | Size | Resolution | Ratio | Touch |
|---|---|---|---|---|
| STDTPC-101-A26 | 10.1″ | 800×1280 | 16:10 | PCAP |
| STDTPC-104-A26 | 10.4″ | 1024×768 | 4:3 | PCAP |
| STDTPC-116-A26 | 11.6″ | 1920×1080 | 16:9 | PCAP |
| STDTPC-120-A26 | 12″ | 1024×768 | 4:3 | PCAP |
| STDTPC-133-A26 | 13.3″ | 1920×1080 | 16:9 | PCAP |
| STDTPC-150-A26 | 15″ | 1024×768 | 4:3 | PCAP |
| STDTPC-156-A26 | 15.6″ | 1920×1080 | 16:9 | PCAP |
| STDTPC-170-A26 | 17″ | 1280×1024 | 5:4 | PCAP |
| STDTPC-173-A26 | 17.3″ | 1920×1080 | 16:9 | PCAP |
| STDTPC-185-A26 | 18.5″ | 1920×1080 | 16:9 | PCAP |
| STDTPC-190-A26 | 19″ | 1280×1024 | 5:4 | PCAP |
| STDTPC-215-A26 | 21.5″ | 1920×1080 | 16:9 | PCAP |
| STDTPC-238-A26 | 23.8″ | 1920×1080 | 16:9 | PCAP |
| STDTPC-270-A26 | 27″ | 1920×1080 | 16:9 | PCAP |

All 14 models share the same structure, I/O and specifications; only aspect ratio and outline differ. Custom sizes and industrial I/O available.

## APPLICATION

Smart manufacturing · production dashboards · machine vision
Power & energy · healthcare · self-service terminals

## CUSTOMIZATION

Custom I/O · wide temp −20~70 ℃ · high brightness
Brand silkscreen · 10.1–12″

**STARK TOUCH DEVICE**

| PROJECT | MODEL |
|---|---|
| Ultra-Thin ARM Panel PC / A26 | STDTPC-120-A26-RK3399 |
| DWG NO. | SCALE |
| STD-DS-UTPC-SERIES | — |
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