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

18.5" Ultra-Thin ARM Panel PC

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

MODEL
STDTPC-185-A26 **-RK3568**

LCD 18.5" TFT
1920×1080 · 16:9 · 300 cd/m²



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

18.5"	1920×1080	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	18.5" TFT LCD, industrial grade
Resolution	1920 × 1080 (16:9)
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	RK3568 (3399 / 3588 opt.)
CPU core	4-core 2.0 GHz (Cortex-A55)
GPU	Mali-G52 2EE
Memory	2 GB LPDDR4 (2–8 GB opt.)
Storage	32 GB eMMC (max. 256 GB)
OS	Android 12 · Linux 5.10 · Ubuntu
Wireless	Dual-band 2.4/5G WiFi · BT 5.2
Expansion	3G/4G/5G · GPS · MIC optional

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

06 POWER & STRUCTURE
Power & structure

Power input	DC 12–36 V (wide range)
Idle power	18 W
Outline W×H×D	461.4 × 283.4 × 50 mm
VESA	100 × 100 / 75 × 75

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 **Ultra-Thin ARM Panel PC / A26**	MODEL **STDTPC-185-A26-RK3568**
DWG NO. **STD-DS-UTPC185**	SCALE **NTS**
REV. **A**	DATE **2026.11**

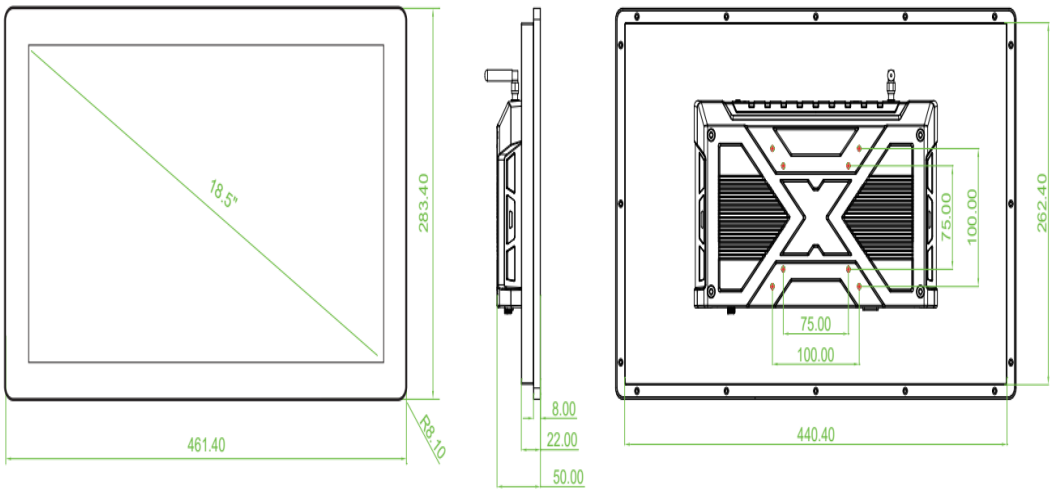
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Dimension & Installation

Outline W×H×D and VESA spacing follow the 18.5" 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	461.4 × 283.4 × 50	±0.5	incl. bezel
Bezel thickness	8.00	±0.2	flush bezel
Total depth	50.00	±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 (18.5", 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

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Packing, Configuration & Ordering

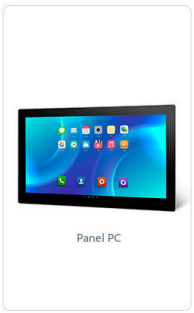
NAMING RULE

STDTPC	-270	-A26	-RK3568
Brand	Size code	Ultra-thin ARM series	CPU option

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

Example: STDTPC-185-A26-RK3568 = 18.5" 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 (18.5")

Item	Weight	Remark
Net	3.81 kg	Unit only
Packing + accessories	1.06 kg	Carton + adapter
Gross	4.87 kg	1 pc per carton
Carton (mailer box)	561×390×103	Sealed 567×393×106

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 2×A72 + 4×A53	2 / 4 / 8 / 16 / 32 GB	8 GB – 256 GB eMMC	Android 7.1 / 9.0 / 11 Ubuntu · Debian · Linux 4.4+QT	BT 4.2 · dual-band 2.4/5G
RK3568	4-core 2.0 GHz Cortex-A55 · NPU 1T	2 / 4 / 8 / 16 / 32 GB	8 GB – 256 GB eMMC	Android 12.0 Linux 5.10 · Ubuntu · Debian	BT 5.2 · dual-band 2.4/5G
RK3588	8-core 2.4 GHz 4×A76 + 4×A55 · NPU 6T	4 / 8 / 16 / 32 GB	8 GB – 256 GB eMMC	Android 12.0 / 13.0 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 · 10.1–18.5"

STARK TOUCH DEVICE

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STD-DS-UTPC-SERIES	—
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3/3

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