OPEN FRAME TOUCH MONITOR · FRONT-MOUNT (EXTERNAL) SERIES

12" Front-Mount Open Frame Touch Monitor

MODEL

STDOFTM120-M28

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



Rear 3/4 · raised front bezel (front-mount)

12"	1024×768	300 nits	10-point	−10~60 ℃	IP65
SCREEN SIZE	RESOLUTION	BRIGHTNESS	PCAP TOUCH	OPERATING	FRONT SEAL

FIG. 1 PRODUCT VIEWS

3 mm flush front panel · IP65 sealed · standard VESA



FRONT 3/4



REAR · VESA



TOP · OSD

01 DISPLAY — Display

Panel type	Industrial TFT LCD
Resolution	1024 × 768 (4:3)
Viewing angle	80 / 80 / 70 / 70
Colour	16.7 M
Pixel pitch	0.297 × 0.297 mm
Brightness	300 cd/m²
High brightness (option)	800 – 1000 nits
Contrast	700 : 1

02 INTERFACE — Interface

DC input	1× DC jack, 12–36 V
HDMI	1×, up to 1080P
DP	1× DP input
VGA	1× VGA analog
TOUCH	1× RJ45 (USB touch)

03 TOUCH — Touch

Touch type	PCAP / resistive / non-touch
Touch points	10-point (projected capacitive)
Touch port	RJ45 (USB touch)
Touch life	≥ 50 million touches
Surface hardness	≥ 7H

04 RELIABILITY — Reliability

Operating	−10 °C ~ 60 °C
Storage	−20 °C ~ 70 °C
Humidity	20–95% non-condensing
MTBF	7 × 24 H

05 MOUNTING — Mounting & Mechanical

Mounting	Front mount (external)
Other options	Wall / desktop / recess / louver
Front panel	3 mm flush, IP65
VESA	100 × 100 / 75 × 75

06 POWER — Power

Power consumption	20 W
Power input	AC 100–240 V
Power output	DC 24 V / 1.5 A

NOTES

1. Drawing is schematic; see Fig. 2 for overall and cut-out dimensions.
2. Values are typical for the standard configuration; brightness and contrast tolerance ±10% between batches.
3. Customized specifications follow the order confirmation.
4. Touch type is selectable; the base model number stays the same.

STARK TOUCH DEVICE

PROJECT: Front-Mount Open Frame Touch Monitor / M28 series	MODEL: STDOFTM120-M28
DWG NO.: STD-DS-OFTM120	SCALE: NTS
REV.: A	DATE: 2026.11

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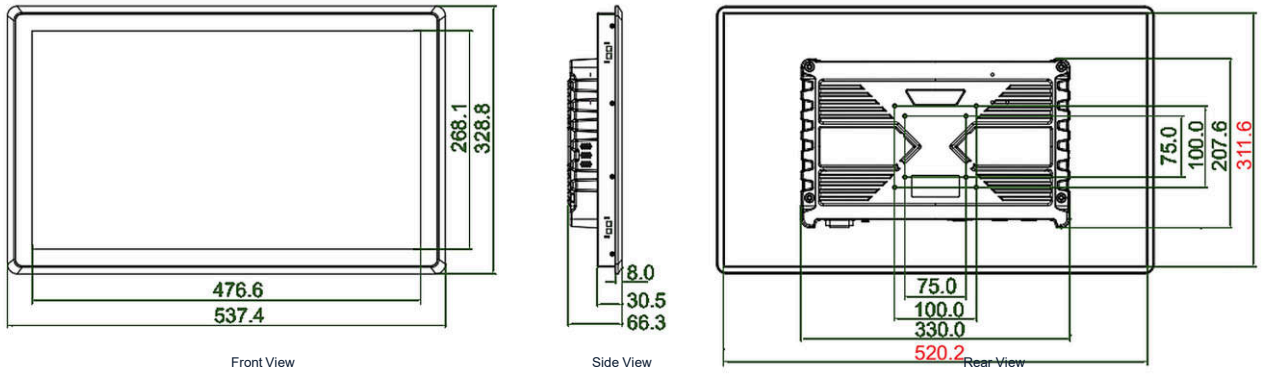
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Dimensions & Installation

Overall W×H×D, cut-out E1×E2 and VESA pitch follow the dedicated drawing; the figure reproduces the maker size chart.

FIG. 2 OUTLINE DIMENSIONS

NTS · UNIT: mm · ±0.5



Front View Side View Rear View

DIMENSION TABLE

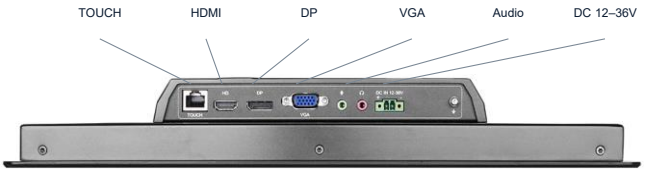
Ref.	ITEM	VALUE	NOTE
W	Overall width	312.3 mm	Tolerance ±0.5
H	Overall height	250.8 mm	Tolerance ±0.5
D	Depth	63.8 mm	Body 30.5 mm
E1	Cut-out width	298.3 mm	Suggested +0.5 / −0
E2	Cut-out height	236.8 mm	Suggested +0.5 / −0
VA	Active area	248.9 × 187.4 mm	16:9
VESA	VESA pitch	100 × 100 / 75 × 75	Dual pattern
—	Net weight	2.98 kg	12″ model

FIG. 4 MOUNTING

- Flush panel
- Wall mount
- Desktop
- Wall recess
- Louver

3 mm flush bezel, secured by 4 clips and a waterproof gasket after cut-out; front-serviceable without tools. VESA pattern fits standard brackets.

FIG. 3 INTERFACE LAYOUT



Rear panel layout (photo for reference)

Port	Location	Description
DC	Rear bottom	12–36 V wide range
HDMI	Rear bottom	≤1080P
DP	Rear bottom	DP input
VGA	Rear bottom	Analog input
TOUCH	Rear bottom	RJ45 (USB)
Audio	Rear bottom	3.5 mm

STARK TOUCH DEVICE

PROJECT **Front-Mount Open Frame Touch Monitor / M28 series**	MODEL **STDOFTM120-M28**
DWG NO. **STD-DS-OFTM120**	SCALE **NTS**
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Packing & Ordering

NAMING RULE

STD	OFTM	120	-M28
Brand	Series	Size code	Base model

Example: supplier model TPC120-M28 → our model STDOFTM120-M28. Capacitive, resistive and non-touch versions share the same base model number; state the touch type when ordering.

PACKING LIST



Carton ×1



Monitor ×1



Power adapter ×1



Power cord 1.5 m ×1



RJ45 touch cable 1.5 m



VGA cable 1.5 m



Clips ×4 + screws ×4



Manual + warranty card



Waterproof gasket ×4

PACKING DATA

Item	Value
Net weight	2.98 kg
Gross weight	4.63 kg
Carton size	388 × 292 × 100 mm

PROTECTION & COMPLIANCE

Item	Description
Front panel	IP65 dust and water proof
EMC	EMI / RF immunity
ESD	Electrostatic protection
Vibration	Shock-resistant design
Compliance	CE / FCC / RoHS (per order)
Warranty	1 year, whole unit

SELECTION TABLE

MODEL	SIZE	RESOLUTION	RATIO	Outline W×H×D (mm)	TOUCH
STDOFTM104-M28	10.4″	1024 × 768	4:3	277.9 × 225.3 × 66.3	PCAP / resistive / non-touch
STDOFTM116-M28	**11.6″**	**1920 × 1080**	**16:9**	**328.3 × 216.3 × 61.8**	**PCAP / resistive / non-touch**
STDOFTM120-M28	12″	1024 × 768	4:3	312.3 × 250.8 × 63.8	PCAP / resistive / non-touch
STDOFTM150-M28	15″	1024 × 768	4:3	366.1 × 290.0 × 68.8	PCAP / resistive / non-touch
STDOFTM170-M28	17″	1280 × 1024	5:4	399.2 × 331.6 × 66.3	PCAP / resistive / non-touch
STDOFTM173-M28	17.3″	1920 × 1080	16:9	452.0 × 285.0 × 71.3	PCAP / resistive / non-touch
STDOFTM190-M28	19″	1280 × 1024	5:4	438.6 × 363.6 × 63.8	PCAP / resistive / non-touch
STDOFTM190W-M28	19″ wide	1440 × 900	16:10	470.6 × 318.6 × 67.8	PCAP / resistive / non-touch
STDOFTM215-M28	21.5″	1920 × 1080	16:9	537.4 × 328.8 × 66.3	PCAP / resistive / non-touch

Highlighted row is the model covered by this sheet (12″). The other 8 sizes share the same construction, interfaces and specifications; only panel ratio and outline dimensions differ. More sizes on request.

APPLICATION

Security · Education · Medical
Smart city · Retail terminals · Industrial automation

CUSTOMIZATION

Optical bonding · 1000-nit brightness · Anti-glare / tempered glass
−20 to 70 °C wide temp · Custom I/O and sizes · 10.4″–21.5″

NOTES

1. State the touch type (PCAP / resistive / non-touch) when ordering; base model unchanged.
2. Carton size and gross weight confirmed per shipment batch.
3. Compliance items and upgrade options follow the sales contract.

REVISION

REV.	DATE	DESCRIPTION
A	2026.11	First version

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DWG NO.	SCALE
STD-DS-OFTM-SERIES	—
REV.	DATE
A	**2026.11**

3/3

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