

PRODUCT SPECIFICATION

Product Name: E-PAPER DISPLAY TERMINAL

Product Model: TS-312EPD

Product Part #: 2.04.003120009

Version: V0



TECHTION SMART

Organized by	Checked by	Approved by
Randy		

CUSTOMER APPROVAL

Approved by	Comment

Contents

1、Features.....	4
2、Physical Specifications.....	5-7
3、Product Appearance.....	7
4、Six views	8

Document Revision History

Date	Version	Description	Editor
2024.06.30	V0	New Release	Randy

1、Features

- 整机全金属结构，耐高温，防强电干扰，IP65防水防尘
The whole machine is made of metal, resistant to high temperature, strong electrical interference, IP65 waterproof and dustproof.
- 采用专业Eink技术，视角可达 178°，趋近于水平
Using professional Eink technology, the viewing angle can reach 178°, close to horizontal.
- 采用全贴合前光模式，超低功耗，节能减排
Adopt optical bonding front light mode, ultra-low power consumption, energy saving and emission reduction.
- 阳光下可读，光照越强显示效果越好，且屏幕无蓝光和屏闪，舒适护眼
Readable in sunlight, the stronger the sunlight, the better the display effect, and the screen has no blue light and screen flicker, comfortable and eye-protecting.
- 2560*1440的高物理分辨率，画质表现更细腻
High physical resolution of 2560*1440, the vision is more delicate
- 支持全天候连续不间断运行24H（内置储能锂电池），晚上使用前光补光
Supports 24-hour continuous operation (built-in lithium battery for energy storage), and uses front light to fill in the light at night.
- 产品采用工业级设计，具有良好的抗震性、抗冲击性，适应户外苛刻环境
The product adopts industrial-grade design, has good shock resistance and impact resistance, and is suitable for harsh outdoor environments.
- 应用：户外智能公交，地铁，机场等户外公共领域的资讯显示屏幕
Applications: Outdoor smart buses, subways, airports and other outdoor public areas information display screen.

2、PHYSICAL SPECIFICATIONS

No.	Items	Specifications
1	Main Parameters	Main Parameters
2	Model	TS-312EPD
3	Product Type	E-PAPER DISPLAY TERMINAL
4	Frame	Sheet Metal Frame/Black
5	Brand	TECHTION
6	Display Parameters	Display Parameters
7	LCD Size	31.2"
8	Active Area	691.2(H)×388.8(V) mm
9	Resolution	2560*1440
10	Contrast Ratio	12:1
11	Aspect Ratio	16:9
12	Pixel Pitch	0.27×0.27mm
13	Viewing Angle	178°(H)×178°(V)
14	Color	Black and White,16 grayscale
15	Refresh Rate	50HZ (Max)
16	Frontlight Type	E-LED
17	Glass	3mm/ Optical Bonding/Anti-UV/AG
18	Frontlight Power	7.8W (Max)
19	IP Level	IP65

20	IK Level	IK08
21	Life Span	30000H
22	Android Solution	Android Solution
23	Chip	A40i
24	CPU	Cortex-A7*4@1.2GHz
25	GPU	ARM Mali-400 MP2
26	DDR	1G
27	EMMC	8G
28	OS	Android7.1
29	LAN	10/100M
30	WiFi	2.4G
31	B/T	4.0
32	Brushing Method	USB and APP
33	Optional	4G Module, Solar panels
34	I/O Ports	RJ45*1,,HDMI OUT*1,USB2.0 *2(OTG*1),TF Card*1,SIM Card*1, DC *1
35	Button	POWER, UP, DOWM, RESET
36	Power Consumption	Power Consumption
37	Standby Power (w)	≤0.001W
38	Power Consumption (w)	≤15.36W (Max)
39	Supply Voltage (v)	DC20V

40	Lithium Battery	54W/H
40	Dimensions	Dimensions
42	Packing Size (mm)	950*200*750mm (Wood Case)
43	Product Dimensions(mm)	843.2*560*80mm
44	NW(kg)	28kg
45	GW(kg)	38.5TBD
46	VESA Holes(mm)	275*150mm
47	Installation	Hanging and Wall mounting (Default Wall Mounting)
48	Accessories	Accessorie
49	Power Cable	1 (AC 100-240V 50/60Hz)
50	Adapter	DC5V-20V or Solar Powered (Optional)
51	Wall Mount Bracket	1 (with screws)
52	Warranty Card	1
53	Environment	Environment
54	Operating Temperature	-15°C~65°C
55	Operating Humidity	20% ~ 90% RH Non-Condensing
56	Storage Temperature	-25°C~70°C
57	Storage Humidity	20%~90% RH Non-Condensing

3、产品外观图/Product Appearance



4、六视图/Six views (mm)

