

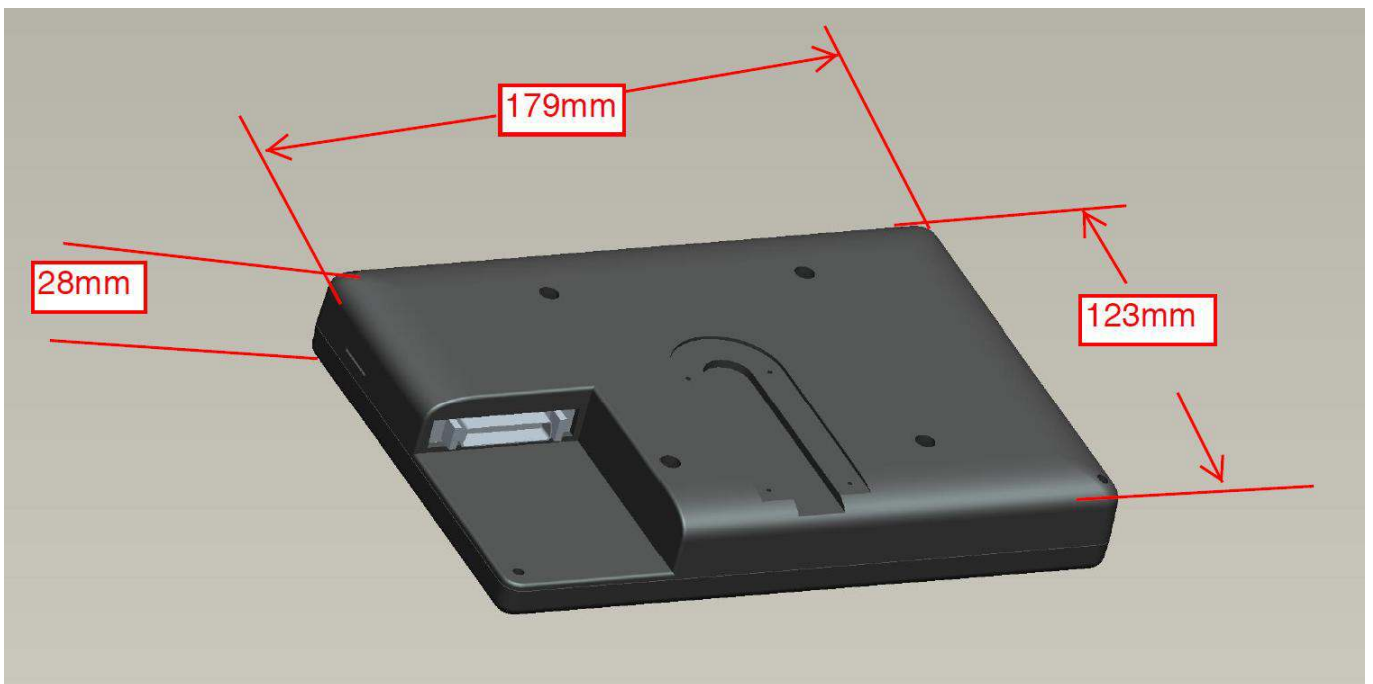
## 1. General Specification

7" OEM production

Article-Number: FT700TVGA

- 7" panel with 800x480 panel resolution
- brightness 400Nits, contrast ratio 500:1, T(ON): 10ms, T(OFF): 15ms
- viewing angle (horizontal, vertical): 140°, 120°
- brightness sensor in front (left side), Status-LED right side, infrared sensor for OSD-control rightmost
- 9-36 V DC-IN over All-In-One-Cable
- VGA-In over All-In-One-Cable
- Audio-In over All-In-One-Cable
- serial touch over All-In-One-Cable
- 4-wire touch, 1 million+ touch contacts
- Operation temperature -25°C - +75°C, 30,000hours operation time
- Connector: All-In-One-Connector; VGA; Audio-In as two Cinch; power 2 cables; female serial port connector
- IP54-case incl. waterproof loudspeaker
- OSD-menu
- no accessories besides All-In-One-Cable
- no stand feet included, small metal plate on the backside for further fixation
- plain white box packaging
- CE, RoHS certification

## 2. Product animation



### 3. Detailed specification

#### 3.1. panel specification

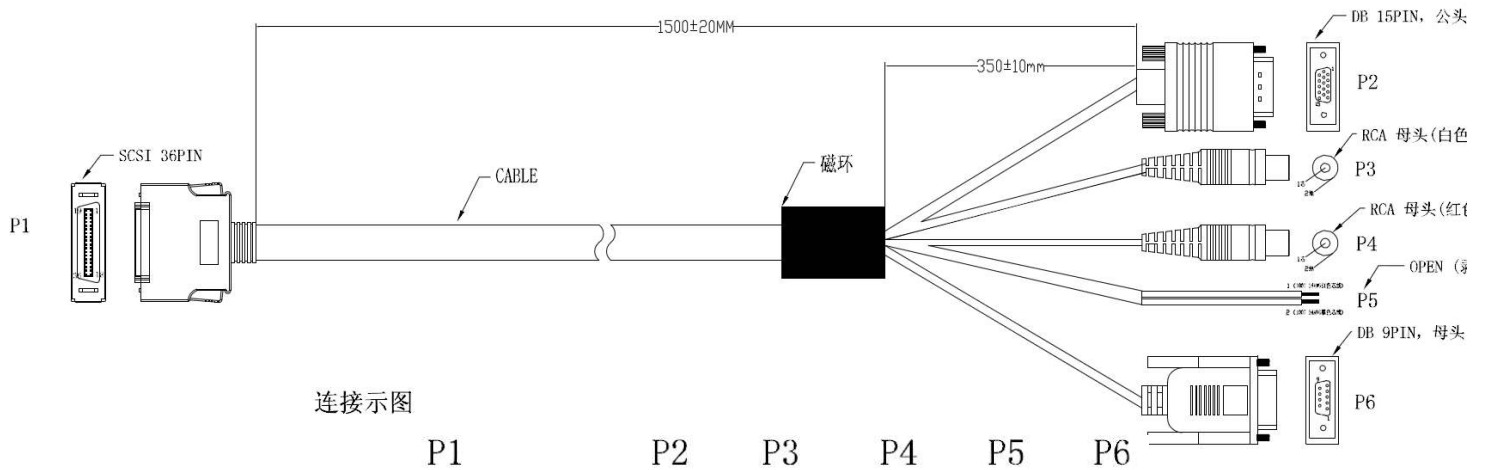
Detail	Specification
LCD size	7.0 inch (Diagonal)
Driver element	a-Si TFT active matrix
Resolution	800 x 3(RGB) x 480
Display mode	Normally White, Transmissive
Active Area	154.08(W) x 85.92(H) mm
Surface Treatment	Anti-Glare
Interface	Digital
Backlight power consumption	1.782W (Typ.)
Panel power consumption	0.226W (Typ.)
LED life time	30,000 hours, see Note 1
Operation/Storage Temperature	-25° to +75°, see Note 2
Viewing Angle horizontal	140°
Viewing Angle vertical	120°
Response Time (TON/TOFF)	10ms/15ms
Contrast Ratio	500:1
Luminance	400cd/m <sup>2</sup> , see Note 3
Luminance uniformity	75%

Note 1: The "LED life time" is defined as the module brightness decrease to 50% original brightness at operation temperature=25°C.

Note 2: Operation Temperature Test Condition: 24hours;  
Storage Temperature Test Condition: 240hours

Note 3: The optical characteristics should be measured in dark room. After 30 minutes operation, the optical properties are measured at the center point of the LCD screen. (Response time is measured by Photo detector TOPCON BM-7, other items are measured by BM-5A/Field of view: 1° /Height: 500mm.)

### 3.2.connector & cable specification



P1	P2	P3	P4	P5	P6
1 +12V					
2 +12V					1
3 空	空				
4 空	空				
5 空	空				
6 空	空				
7 空	空				
8 空	空				
9 空	空				
10 空	空				
11 空	空				
12 空	空				
13 空	空				
14 VGA_GND	5				
15 VGA_B+	1				
16 VGA_G+	2				
17 VGA_B-	3				
18 DGND	6				
19 IN_GND					2
20 IN_GND					
21 DGND	2				
22 PC_AUDIO_IN_L	1				
23 PC_AUDIO_GND	2				
24 PC_AUDIO_IN_R	1				
25 DGND					5
26 TX					2
27 RX					3
28 USB_5V	空				
29 VGA_GND	7				
30 VGA_DDC_SCL	15				
31 VGA_DDC_SDA	12				
32 VGA_GND	10				
33 HSYNC	13				
34 VSYNC	14				
35 VGA_GND	8				
36 空	空				

芯线要求



地线缠绕芯线

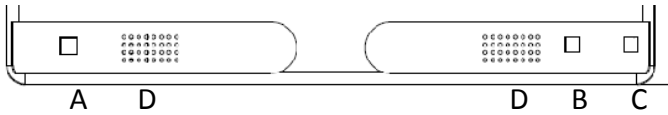
地线缠绕芯线

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地线缠绕芯线

### 3.3.front feature specification



Detail	Specification
brightness sensor (A)	0 - 63 brightness steps (5 ~ 2000lx), adjustable: 0 - 20: low brightness 21 - 40: medium brightness 41-63: high brightness (maximum) Time hysteresis: delay of 5 seconds between each level jump
Status-LED (B)	Red: no signal Yellow: StandBy Green: On LED Off: No power / in process of optimizing the picture to the signal
infrared sensor for OSD-control (C)	Change touch-monitor settings
Loudspeaker (D)	2x 1W Waterproof

### 3.4.touch panel & touch controller specification

Detail	Specification
Construction	Glass, uniform resistive coating, polyester coversheet, transparent insulating dots, conductive coating
Deviation of Error	<= 1.5%
Surface Hardness	Mohs 3
Life Time	More than 1 million touches in one location without failure
Touch Activation Force	20-120g
Response Time	< 5ms
Surface treatment	Anti glare
Light transmission	>= 82%
Chemical Resistance	Acetone, Methylene chloride, Methyl ethyl ketone, Isopropyl alcohol, Hexane, Turpentine, Mineral spirits, Unleaded Gasoline, Diesel Fuel, Motor Oil, Transmission Fluid, Antifreeze
Touch controller chipset	eGalaxy ETP-CP-ETR4000
Protocol	USB 1.1 Full Speed / RS232 9600Baud
Resolution	2048 x 2048
Max report rate	200 points / s

### 3.5.mainboard specification

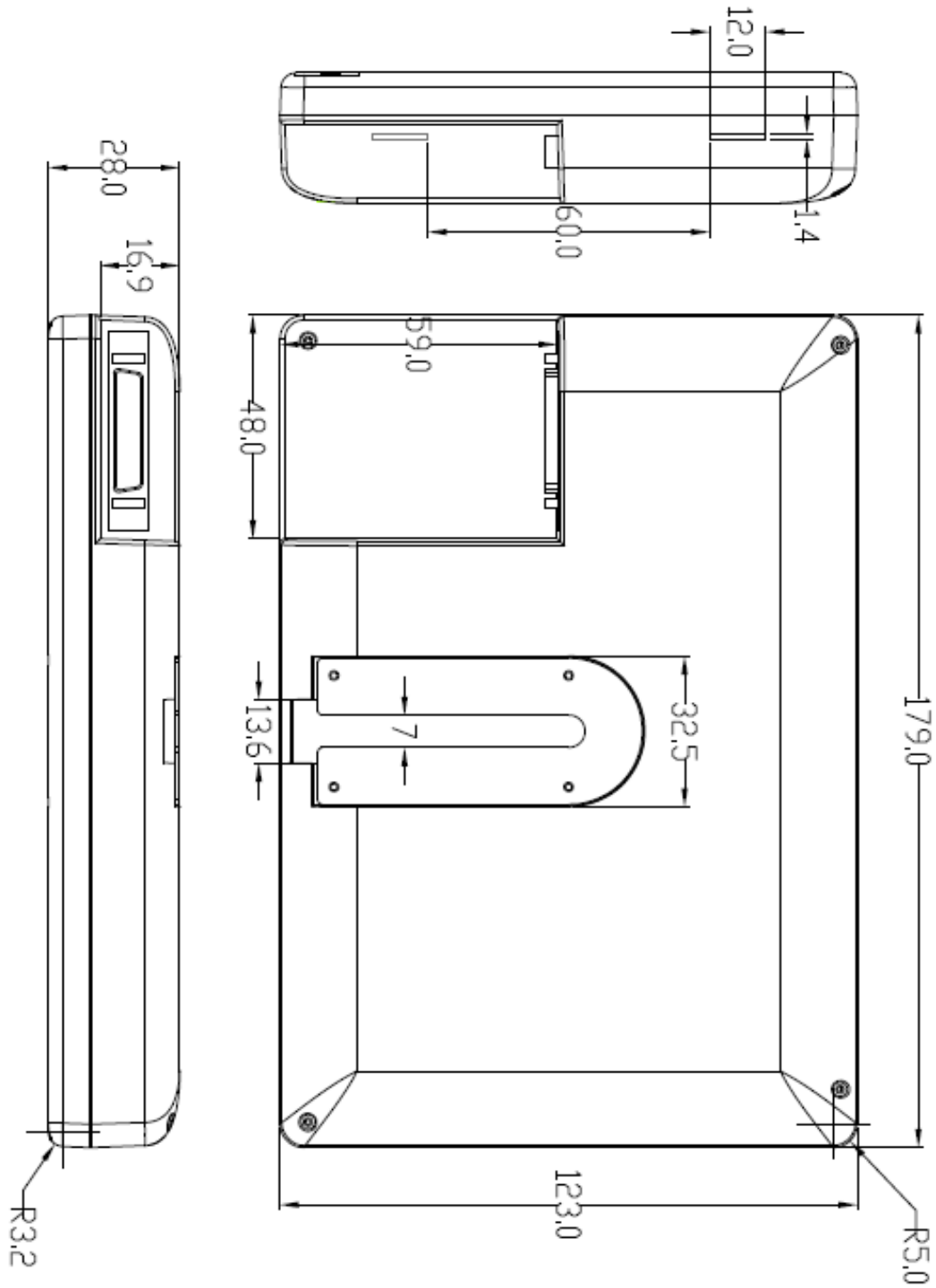
Detail	Specification
Signal source	Analogue VGA input
Analogue Scanning Frequency (H, V)	31~74KHZ, 60~85HZ
Supported resolution	800 x 480 ~ 1920 x 1200
Dot Clock	33.3MHZ
Working power	8 ~ 36V

### 3.6.Dimensions, Weight & packaging

Detail	Specification
Product dimension	179 (W) x 123 (H) x 28 (D) mm
Netto weight	550g
Brutto weight	910g
Outer carton dimensions	43.5 x 22.5 x 30 cm
Outer carton packaging detail	10 pcs packed in one outer carton
Outer carton weight packed	9.5kg

#### 4. Mechanical drawing

##### 4.1.backside



## 4.2.frontside

