

1851E 18.5" Interactive Digital Signage Touch Computers

PRODUCT OVERVIEW

Features

- Small footprint , retail-hardended , flexible touchcomputers
- Long lasting product cycle-enclosure
- High quality panel with 170° x 160° viewing angle
- Front bezel be sealed IP64 optional
- Projected Capacitive Multi-touch Technology
- 1000:1 contrast ratio, and 250-nit brightness (LCD panel)
- Mounting including VESA mount
- Optional front mount and rack mount bezels
- Fully RoHS compliant

Applications

- Countertop kiosk information systems
- Point-of-sale (POS)
- Gaming and amusement
- Point-of-information

Accessories

- Power Cord (US, EU or UK type)
- Power Brick
- User Manual (English only)

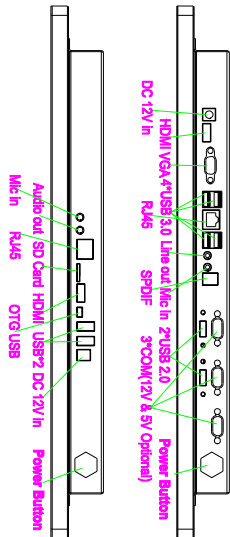
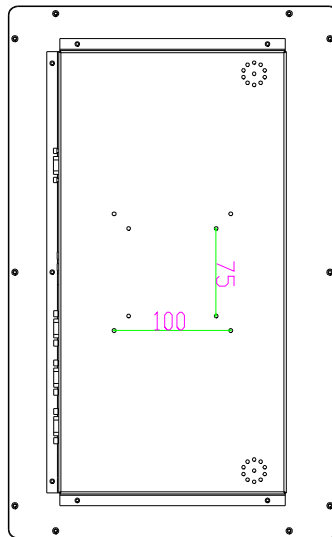
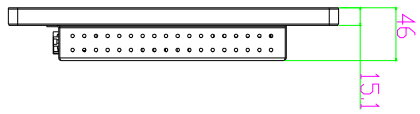
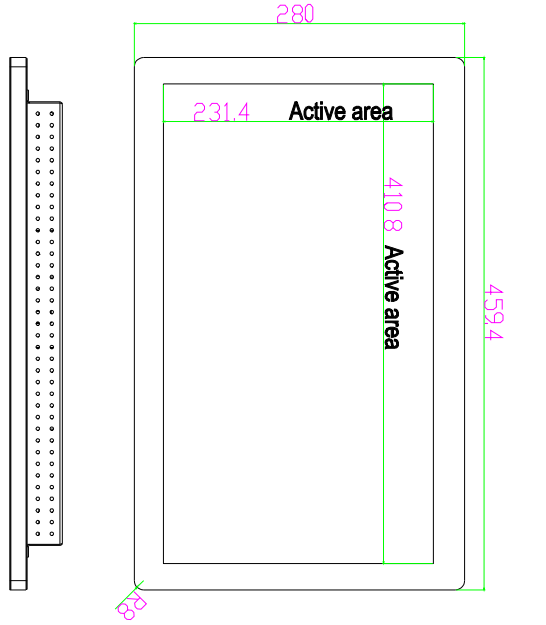


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SPECIFICATION

Model	1851E-IOT	
Case/Bezel Color	Black/Silvery/white(Customized)	
Display Size	18.5"	
Touch panel	Projected Capacitive touch screen	
Touch response time	8ms (PCT typical)	
Touchcomputors Dimensions	459.4 x 46 x 280 mm	
LCD Type	TFT LCD(LED backlight)	
Useful Screen Area	410.8 (H) x 231.4 (V) mm	
Aspect ratio	16:9	
Optimal (native) Resolution	1366 x 768	
LCD panel Pixel pitch	0.3 x 0.3 mm	
LCD panel Colors	16.7 million	
LCD panel Brightness	250 cd/m2 (high brightness customized up to 1000 cd/m2)	
LCD panel Response Time	5 ms	
LCD panel Contrast Ratio	1000:1	
Viewing Angle (typical, from center)	Horizontal	±85° or 170° total
	Vertical	±80° or 160° total
output Video signal connector	Mini D-Sub 15-Pin VGA type and HDMI type	
interface	usb 2.0*6(usb 3.0*2)\PCI-E(3G SIM card, wifi and Bluetooth optional)	
	Earphone*1\Mic*1\Com*3(com3 optional)\RJ45*1	
Power Supply Type	Monitor input: +12VDC ±5%,5.0 A; DC Jack (2.5 Φ)	
	AC to DC power brick input: 100-240 VAC, 50/60 Hz	
	Power Consumption: Less than 40W	
ECM (Embed Computer Modul)	ECM3: Intel processor J1900 (Quad-core 2.0GHz/2.4GHz,Fanless)	
	ECM4: Intel processor i3-4010U (Dual Core 1.7GHz,Fanless)	
	ECM5: Intel processor i5-4200U (Dual Core 1.6GHz/2.6GHz Turbo, Fanless)	
	ECM6: Intel processor i7-4500U (Dual Core 1.8GHz/3GHz Turbo, Fanless)	
	CPU Upgrade: 3855U & I3-I7 series 5 th \6 th \7 th optional	
	Memory: DDR3-1600 4G(extend up to 16G Optional);	
	Storage: 2.5" 7mm SATA3 SSD 32G(up to 960G optional) or HDD 500G(up to 1TB optional);	
	ECM8: RK3288 Cortex-A17 quad-core 1.8G, GPU: Mali-T764; Operation System: 5.1	
	ECM9: RK3368 Cortex-A53 8Core 1.5GHz; GPU: PowerVR G6110; Operation System: 6.0	
	ECM10: RK3399 Cortex-A72+Cortex-A53 6-Core 2GHz;GPU:Mail-T860MP4; Operation System: 7.1 Rom: 2G(up to 4G optional); Flash: 8G(up to 32G optional,RK3399 normal 16G);	
Temperature	Operating: 0°C to 40°C ;Storage -20°C to 60°C	
Humidity (non-condensing)	Operating: 20%-80%; Storage: 10%-90%	
Shipping Carton Dimensions	556 x 206 x 456 mm(2 pcs)	
Weight (approx.)	Actual: 4.4 kg ;Shipping: 13 kg	
Warranty Monitor	3 years(Except for LCD panel 1 year)	
	Backlight lamp life: typical 30,000 hours to half brightness	
Agency Approvals	CE/FCC RoHS(UL GS optional)	
Mounting Options	75 mm and 100mm VESA mount	

DRAWINGS



**For windowsmainboard interface
(CPU: i5 & J1900)**

**For Andriod mainboard interface
(CPU: Android quad-core)**