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IR Touch Interactive Flat Panel Display Datasheet

Model	LT50	
Product picture		
	Display specification	
Diagonal display size		50(inch)
Panel Technology	IPS	√
Color Gamut	NTSC 72%	√
Panel Treatment	Haze 25%	√
Back Light	Direct	√
Bezel color	Aluminum frame(Black color)	√
Panel type	Ultra HD Direct type LED	√
Active area (mm)		1073.8 * 604
Resolution/ Refresh Rate	3840*2160 /60hz	√
Pixel Pitch		0.27963mm x 0.27963mm
Hardness Glass	Mohs-7 level	√
Glass Panel	Anti-Glare glass with zero bonding	√
Aspect Ratio	16:9	√
Contrast Ratio	1200:1 (type)	√
Dynamic Contrast Ratio	5000:1	√
Brightness	440nit	√
Color depth	1.07 billion colors	√
Viewing angle	178X178	√
Lifespan	95,000 hours	√
Operation Hours	16h/day	√
Touch Type		
Touch Technology	IR touch	√
Multi Touch	Max 40 points(Windows)	√
Multi Writing	Max 20 points(Windows)	√
Touch Precision	1 mm (over 90% Area)	√
Auto Brightness	Yes	√
Auto-Calibration	Yes	√
Anti-light	Yes	√
Minimum object size	2mm	√
Touch Response Time	5ms	√
Supporting OS	Windows 7/8/10/11; Android; Mac; Linux; Chrome OS	√
Sound		
Speakers	2 built in	√
Front Speakers	15W*2	√
Front Side Connections		
Front Ports	USB3.0 * 3 lines (Public for both Android & PC) ; Touch out USB B type * 1 line; HDMI in 2.0 * 1	
Front Keys	Power on/off; Signal source; Return; Main page; Menu; Volume down; Volume up	
Bottom Side Connections		
TF Card	1	√
Earphone/Line Out(Audio OUT)	1	√
USB-A 3.0	1	√
USB-A 2.0	1	√
LAN-Port IN	1 (RJ45)	√
LAN-Port OUT	1 (RJ45)	√
SPDIF	1	√
RS232	1 x DB9 Male	√
HDMI IN	3	√
USB-B (touch)	1	√
HDMI OUT	1	√
Windows OPS Slot	80-pins OPS slot	√
WiFi Standard	Wi-Fi 5(2.4G+5G)	√
Bluetooth version	5.0	√

Riotouch Central		
Android Version	Android 14.0	√
CPU	(8 Cores-A55) 1.5GHz	√
GPU	(Mali-G52 MP2(2EE))	√
Memory	4GB DDR4	√
Storage	32GB	√
Compliant with	Windows; Mac; Linux; Chrome OS	√
Over-the-Air Updates (OTA)	YES	√
Expansion Board (In the Rear side)		
HDMI IN	1	√
DP IN	1	√
VGA IN	1	√
AUDIO IN	1	√
USB-B (touch)	1	√
USB-C	1((USB-PD, DP-Alt.))	√
USB 3.0	USB3.0 * 4 lines (Public for both Android & PC)	√
Software		
Sidebar with Back, Home, Recent Tasks, Quick Note,Annotation Tools		
Screen shot with full screen, partial screen shot and free -style screen shot		
Toolbox with projector, countdown timer, stopwatch and multiple choice questions with statistics.		
Cloud Drive: Private cloud, Google Cloud, One drive integrated		
Browser: Integrated Browser and can be customized		
E-Share Screen sharing and monitoring with two-way communication. Up to 9 devices shared on the panel, Direct sharing of annotations and files, Applications adapted to interactive panels included.		
Annotation software		
Selection, deletion, resizing, rotation and movement of objects; Cut, copy and paste objects; Lock, group/ ungroup objects;		
Page creation, reorganization and deletion, advancement, regression and navigation		
Application of background color, image/plans and individual background lines per page (squared line, calligraphy and musical line);		
Import files in different formats, such as Word, PowerPoint, Excel and PDF		
Mode of interaction of tools on the environment of other applications or browser.		
Gradual information presentation tool, "curtain" type; • Gradual information presentation tool, "focus" type;		
Gradual information presentation tool, "magnifying glass" type;		
Information capture tool (possibility of selecting clipping area or rectangular area);		
Save page-by-page interaction with step-by-step image playback;		
Insert images and videos		
Stopwatch and timer function for tests and exams;		
Power Supply	~ 100-240 V (50/60Hz) Bult in Power	√
Switch On / Off	Yes	√
Standby Energy Consumption	≤ 0.5 Watt	√
Power Consumption		Maximun< 420W Eco<75W
Net Weight	(KG±2)	47
Screen Dimensions	(WxDxH)	1073.78 * 80.5 * 664 mm
Dimensions Package	(WxDxH)	1210 * 770 * 170 mm
VESA Standard	(mm)	800*400 mm
Certifications	CE: EMC + LVD / RoHS / REACH / FCC/CCC,Energy Star	√
Warranty	Three years	√
Environmental conditions		
Operating Temperature	0°C - 40°C	√
Storage Humidity	10 % - 90 %	√
Usage Humidity	10 % - 90 %	√
Accessories		
Accessories	Stylus pen * 2pcs, Remote control *1pc, 3m power cord *1pc, 3m HDMI cable *1pc, 5m USB touch cable *1pc; wall mount kit *1 black frame. All the packagings are made in recycable materials	