



Dong Guan RioTouch Technology Co., Ltd

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IR Touch Interactive Flat Panel Display

Model	LT86RK3588	
Product picture		
Display specification		
Diagonal display size		86(inch)
Bezel color	Aluminum frame(White color)	√
Panel type	Ultra HD Direct type LED	√
Active area (mm)		1895.04 * 1065.96(V)
Resolution	3840*2160 /60hz	√
Pixel Pitch		0.4935 mm x 0.4935 mm
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	4000:1	√
Brightness	over 350cd/m2	√
Color depth	1.07 billion colors	√
Viewing angle	178°	√
Lifespan	50,000 hours	√
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-Calibration	Yes	√
Anti-light	Yes	√
Minimum object size	2mm	√
Touch Response Time	First Point <2 ms, Continuation <8 ms	√
Supporting OS	Windows 7/8/10/11; Android; Mac; Linux; Chrome OS	√
Sound		
Front Speakers	15W*2 (20W*2)	√
Subwoofer	20W*1	√
Total Power Amplifiers	≦ 60w	√
Microphone (option)		
Type	Wide-area microphones	√
Number of Microphones	8	√
Auto switch (Windows/Central)	Yes	√
Disconnectable	Yes	√
camera (option)		
Number of images	4800M /6400M	√
Maximum resolution and frame rate	4208*3120(30fps)	√
FOV(field of view)	120 °	√
Front Side Connections		
Front Ports	Type-C * 1 line; HDMI IN * 3 line; USB3.0*2; USB-B*1	
Front Keys	Power on/off; Signal source; Setting; ECO; Menu; Volume down; Volume up	
NFC	√	
Fingerprint	√	
Bottom Side Connections		
Earphone	1	√
MIC IN	1	√
SPDIF OUT	1	√
RS232	1	√
Touch USB (USB B)	1	√

HDMI IN	1	√
HDMI OUT	1	√
RJ45	1	√
TYPE C OUT	1	√
Android USB2.0	1	√
Android USB3.0	1	√
TF CARD	1	√
WIFI	WIFI5+WIFI6+AP	√
Windows OPS Slot	80-pins OPS slot	√
Bluetooth version	5.2	√
Riotouch Central		
Android Version	Android 13.0	√
Chip	Rockchip RK3588	√
CPU	quad-core Cortex-A76 and quad-core Cortex-A55, up to 2.4GHz	√
GPU	Mali-G610 MC4	√
RAM	8GB 16GB 32GB DDR4	√
Flash	128GB 256GB	√
Compliant with	Windows; Mac; Linux; Chrome OS	√
Over-the-Air Updates (OTA)	YES	√
Light Sensor	YES	√
NFC Reader/Writer	YES	√
Fingerprint module	YES	√
General Information		
Power Supply	~ 100-240 V (50/60Hz)	√
Switch On / Off	Yes	√
Standby Energy Consumption	≤ 0.5 Watt	√
Power Consumption		Maximun< 350W Eco<75W
Net Weight	(KG±2)	95KG
Gross Weight	(KG±2)	105KG
Screen Dimensions	(WxDxH)	4083*1266.4mm
Dimensions Package	(WxDxH)	2255*1380*280mm
VESA Standard	(mm)	1008*225*32(mm)
Certifications	CE: EMC + LVD / RoHS // FCC/CCC	
Warranty	ONE year for the whole product and THREE years for touch parts by default. (can be extended, it's for an option)	√
Environmental conditions		
Operating Temperature	0℃ - 40℃/32 - 100 °F	√
Storage Temperature	-20℃ - 60℃/-4 - 140 °F	√
Storage Humidity	10 % - 90 %	√
Usage Humidity	10 % - 90 %	√
Accessories		
Accessories	WIFI antenna*3pcs; No ink pen * 2pcs, Remote control *1pcs, 1.5m power cord *1pcs, 1.5m HDMI cable *1pcs, 1.5m USB touch cable *1pcs; wall mount kit	