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IR Touch Interactive Flat Panel Display

Model	LT86ADV100	
Product picture		
Display specification		
Diagonal display size		86(inch)
Bezel color	Aluminum frame(Black 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	4500:1	√
Brightness	420cd/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	√
Accuracy	1mm	√
Tracking Rate	6 m/s	√
Writing with 2 different colors simultaneously	YES	√
Windows Ink trigger with pen	YES	√
Palm Rejection	YES	√
Supporting OS	Windows 7/8/10/11; Android; Mac; Linux; Chrome OS	√
Sound		
Speakers	2.0(2.1 option)	√
Front Speakers	15W*2 (20W*2 option)	√
Subwoofer	20W*1 option	√
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	1300M(800M/4800M option)	√
Maximum resolution and frame rate	4208*3120(30fps)	√
FOV(field of view)	120°	√
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 line; USB-C * 1	
Front Keys	Power on/off; Signal source; Return; Main page; Menu; Volume down; Volume up	
Bottom Side Connections		
TF Card Slot	1	√
Earphone/Line Out	1	√
Public USB-A 3.0	1	√
OTG USB-A 2.0	1	√
LAN-Port IN	1 (RJ45, 100 Mbit/s)	√
LAN-Port OUT(option)	1 (RJ45, 100 Mbit/s)	√
RS232(option)	1 x DB9 Male	√
HDMI IN	2	√
USB-B (touch)	1	√
HDMI OUT	1	√

Windows OPS Slot	80-pins OPS slot	√
WiFi Standard	IEEE 802.11a/b/g/n/ac with 2 × 2 MIMO (hotspot only) 2.4 and 5 GHz bands	√
Bluetooth version	5.0	√
Riotouch Central		
Android Version	Android 12.0 (Upgradeable Android 14.0)	√
Chip	GK6780v100	√
CPU	High-End (8 Cores-A55) 1.2GHz	√
GPU	High-End (Mali-G52 MP2(2EE))	√
Memory	8GB DDR4	√
Storage	64GB	√
Compliant with	Windows; Mac; Linux; Chrome OS	√
Over-the-Air Updates (OTA)	YES	√
Classroom Essential Apps	Whiteboard, Annotate, Timer, Media Players, Browser, PDF Reader, Screen Record, Spinner, Voting, Math Tools	
Embed digital signage system with cloud management	Yes, 2GB cloud space included permanent or minimum 5 years	√
MDM remote management from	Yes - 5year license	√
Mirroring Any Device to The Board	Share option - shares 9 screens simultaneously (Windows, iOS, Android app) + AirServer with support for Miracast, Airplay and Chromecast (no app required)	√
Mini PC	OPC PC Intel i5-10210U, 8GB RAM, 250GB SSD, Windows 10 Pro license	√
Expansion Board (Optional in the Rear Side)		
HDMI IN	1	√
USB-C	front mounted with support for Audio, Video, Touch and Ethernet*1	√
VGA IN	1	√
AUDIO IN	1	√
USB-B (touch)	1	√
USB-C (full function)	USB-C(PD65W Optional) * 1 line	√
USB 3.0	USB3.0 * 3 lines (Public for both Android & PC)	√
General Information		
Power Supply	~ 100-240 V (50/60Hz)	√
Switch On / Off	Yes	√
Standby Energy Consumption	≤ 0.5 Watt	√
Power Consumption		Maximun< 500W Eco<75W
Net Weight	(KG±2)	65
Gross Weight	(KG±2)	80
Screen Dimensions	(WxDxH)	1943.4*97.5*1166 mm
Dimensions Package	(WxDxH)	2090 *222 * 1307 mm
VESA Standard	(mm)	800*600 mm
Certifications	CE: EMC + LVD / RoHS / REACH / 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°C - 38°C/32 - 100 °F	√
Storage Temperature	-20°C - 60°C/-4 - 140 °F	√
Storage Humidity	10 % - 90 %	√
Usage Humidity	10 % - 90 %	√
Accessories		
Accessories	No ink pen * 2pcs, Remote control *1pc, 1.5m power cord *1pc, 1.5m HDMI cable *1pc, 1.5m USB touch cable *1pc; wall mount kit	