



RK7 Series

High End Interactive Technology

CLASSROOMS | TRAINING ROOMS | MEETING ROOMS



Wireless



Finger Touch



Touch Pen



Tough Screen



Octa Core

Interactive Display

RK-86E7 Datasheet



Display specifications	
Screen diagonal size	86(inch)
Surface color	Aluminum frame (white)
Screen type	UHD direct-lit LED
Screen size	1895.04 * 1065.96(V)
Resolution	3840*2160 /60hz
Hardness Level	Level 9
Screen technology	Zero-adhesion anti-glare glass
Aspect ratio	16:9
Contrast ratio	1200:1 (type)
Brightness	400d/m ²
Color depth	107 million colors
Viewing angle	178°
Lifetime	60,000 hours
Response time	2ms
Touch system	
Touch technology	Infrared touch screen
Multi-touch	Maximum 40 points (at OPS)
Auto-calibration	Supported
Sunlight protection	Supported
Minimum recognition point diameter	2mm
Touch Response time	<8ms (Continuous Touch)
Touch accuracy	1 mm
Supported operating systems	Windows 7/8/10/11; Android 14; Mac; Linux; Chrome OS
Android System	
Operating system	Android 14
Chip	RK3576
CPU	Octa Core A72x4+A53x4
GPU	G52MC3
NPU	6T
RAM	8GB
Flash	128GB
Supported operating systems	Windows; Mac; Linux; Chrome OS
Remote upgrades	Supportd
Light sensor	Supportd
Sound specifications	
front speakers	15W*2 (20W*2 optional)
Total speaker power	≤40w

Microphone (optional)	
Microphone type	Linear equidistant microphone array
Number of digital microphones	8 mics
Auto-switching (OPS, Android)	Supported
Camera (optional)	
Image sensor	48M /64M
Resolution	8000*6000@5fps 4200*3120@20fps 3840*1920@30fps
Lens	D=119 degrees H=97 V=74
Display Ports	
Front ports	Type-C * 1 line; HDMI IN * 1 line; USB3.0*3; USB-B*1
Single button	Power on/off
RS232	1
MIC in	1
SPDIF	1
LINE out	1
LAN out	1
LAN in	1
TOUCH	2
DP	1
USB-c in	1
HDMI	2
HDMI out	1
USB-C out	1
USB 3.0	2
USB 2.0	1
TF	1
Windows OPS Slot	Supported (80-pins OPS slot)
Wireless	
WIFI	WIFI6+AP
Bluetooth version	5.2
Power	
Power supply voltage	~ 100-240 V (50/60Hz)
Standby power consumption	≤ 0.5 Wh
Power consumption	< 350W Energy saving < 75W
Certificates and Warranty	
Certificates	CE: EMC + LVD / RoHS / REACH / FCC/CCC
Warranty period	3 Years
Environmental conditions	
Operating temperature	0°C - 40°C/32 - 100 °F
Storage temperature	-20°C - 60°C/-4 - 140 °F
Storage humidity	10 % - 90 %
Using humidity	10 % - 90 %
Physical specification	
Net weight	70 KG
Gross weight	85 KG
Dimensions	1953 x 102 x 1164 mm
Dimensions Package	2055 x 168 x 1272mm
Wall-mount dimensions	Included (600 x 800 mm)