MAXON RT Series Interactive Flat Panel Display



Brand: MAXON | Models: RT-65AN13 / RT-75AN13 / RT-86AN13 / RT-98AN13 / RT-110AN13

The MAXON RT series is an IR-touch interactive flat panel display built on the Rockchip RK3588 platform, available in 65", 75", 86", 98" and 110". It supports on-screen writing, wireless casting, video conferencing and multi-window collaboration for classrooms, meeting rooms, training centres and exhibition spaces. An 80-pin OPS slot accepts a Windows PC module without external cabling, and the panel supports OTA updates.

Where a specification differs by size, the values are listed in the order 65" • 75" • 86" • 98" • 110".

Display

- Diagonal display size: 65(inch) • 75(inch) • 86(inch) • 98(inch) • 110(inch)
- Bezel color: Aluminum frame(Black/White/Customized)
- Panel type: DLED
- Active area (mm) H * V: 1428.48 * 803.52 • 1649.66 * 927.93 • 1895.04 * 1065.96 • 2158.85×1214.35 • 2436.48×1370.52
- Resolution: 3840*2160 /60hz
- Pixel Pitch mm x mm: 0.372 x 0.372 • 0.429 x 0.429 • 0.4935 x 0.4935 • 0.5622×0.5622 • 0.6435×0.6435 mm
- Hardness Glass: Mohs-7 level (Mohs-9 level for option)
- Glass Panel: Anti-Glare glass with zero bonding
- Aspect Ratio: 16:9
- Contrast Ratio: 4 000:1 (dynamic type)
- Brightness: 400-450cd/m2
- Color depth: 1.07 billion colors
- Viewing angle: 178°
- Life span: 50,000 hours

Touch

- Touch Technology: IR touch
- Multi Touch: Max 40 points(Windows)/ Max 20 point (Android)
- 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

Speakers

- Front Speakers: 15W*2(Option 20W*2)
- Subwoofer: 20W*1 Option

Microphone (Option for Plus model)

- Type: Linear equidistant microphone array
- Number of Microphones: 8 mics
- Auto switch (Windows/Central): Yes

Camera (Option for Plus model)

- Image sensor: 48M
- Maximum resolution: 8000*6000@5fps 4200*3120@20fps 3840*1920@30fps
- Lens: D=119 degree H=97 V=74

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; Home; Eco; Menu; Volume Down; Volume Up

Back Side Ports

- 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

Android Info

- Android Version: Android 15.0
- Chip: Rockchip RK3588
- CPU: quad-core Cortex-A76 and quad-core Cortex-A55, 2.2~ 2.4GHz
- GPU: Mali-G610 MC4
- NPU: 6T
- RAM: 8GB 16GB 32GB DDR4
- Flash: 128GB 256GB
- Supporting OS: Windows; Mac; Linux; Chrome OS
- Over-the-Air Updates (OTA): Yes
- Light Sensor: Yes
- NFC Reader/Writer: Option
- Temperature, humidity and air quality three-in-one sensor: Option
- Fingerprint module: Option

General Information

- Power Supply: ~ 100-240 V (50/60Hz)
- Standby Energy Consumption: ≤ 0.5 W
- Power Consumption: Maximum< 290W Eco<75W • Maximum< 320W Eco<75W • Maximum< 350W Eco<75W • Maximum< 510W Eco<75W • Maximum < 750W Eco <75W
- Net Weight (KG±2): 45 • 55 • 70 • 110 • 120
- Gross Weight (KG±2): 55 • 68 • 85 • 120 • 150
- Panel Dimensions (without camera) (WxDxH): 1485 *102*900mm • 1707*102*1025 mm • 1953*102*1164 mm • 2050*103*1207mm • 2499*98*1494mm
- Panel Dimensions (with camera) (WxDxH): 1485 *102*913mm • 1707*102*1038 mm • 1953*102*1177 mm • 2050*103*1220mm • 2499*98*1512mm
- Dimensions Package (WxDxH): 1596*175*1020 mm • 1818*165*1120mm • 2055*168*1272mm • 2335*175*1457mm • 2667*280*1652mm
- VESA Standard (mm): 400*500 mm • 400*700 mm • 600*800 mm • 600*800mm • 1000*400mm

Working environment

- 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 * 3; inkless pen * 2, remote control * 1, 3 m power cord * 1, 3 m HDMI cable * 1, 3 m USB touch cable * 1 (optional 3 m, 5 m); wall mounting kit