FTTEGO RK3588D Interactive Display 86"

4K IR touch flat panel with dual side whiteboards · Android 13



86"	RK3588	20-point	2 + 1	Wi-Fi 6	OPS
4K UHD display	8-core · Android 13	IR touch	side boards + main panel	+ Bluetooth 5.2	Windows slot

An 86-inch 4K interactive panel with a writing board on each side, built on the Rockchip RK3588 octa-core platform. It combines 20-point IR touch, anti-glare zero-bonding glass, Wi-Fi 6, NFC and fingerprint sign-in, an optional camera and microphone array, and an OPS slot for a full Windows PC.

DISPLAY

Diagonal size	86 inch
Panel type	Ultra HD Direct-type LED
Bezel	Aluminum frame (white)
Active area	1895.04 × 1065.96 mm
Resolution	3840 × 2160 @ 60 Hz (4K UHD)
Pixel pitch	0.4935 × 0.4935 mm
Aspect ratio	16:9
Contrast ratio	1200:1 (typ.)
Brightness	> 350 cd/m²
Color depth	1.07 billion colors
Viewing angle	178°
Glass	Anti-glare, zero bonding, Mohs-7 hardness
Lifespan	50,000 hours

TOUCH — MAIN PANEL

Technology	IR touch
Multi-touch	Up to 20 points (Windows)
Multi-writing	Up to 4 points (Windows)
Precision	1 mm (over 90% of area)
Min. object size	2 mm
Response time	First point < 2 ms, continuous < 8 ms
Auto-calibration / anti-light	Yes / Yes
Supported OS	Windows 7/8/10/11, Android, macOS, Linux, Chrome OS

AUDIO

Front speakers	2 × 15 W (2 × 20 W optional)
Subwoofer	1 × 20 W
Total amplifier power	≤ 60 W

FTTEGO RK3588D 86" · Technical specifications

SIDE AUXILIARY WHITEBOARDS

Boards	2 (one on each side)
Board size	1168.11 × 986 mm
Shortcut keys	10
Technology	IR touch
Multi-touch / writing	Up to 10 / 2 points (Windows)
Precision / min. object	1 mm / 4 mm
Response time	First point < 2 ms, continuous < 8 ms

ANDROID SYSTEM

Android version	Android 13
Chipset	Rockchip RK3588
CPU	4× Cortex-A76 + 4× Cortex-A55, 2.2–2.4 GHz
GPU	Mali-G610 MC4
NPU	6 TOPS
RAM	8 / 16 / 32 GB DDR4
Storage	128 / 256 GB
OTA updates	Yes
Sensors & modules	Light sensor, NFC reader/writer, fingerprint

MICROPHONE (OPTIONAL)

Type	Wide-area array, 8 microphones
Auto switch	Windows / Android
Disconnectable	Yes

CAMERA (OPTIONAL)

Sensor	48 MP / 64 MP
Max resolution	4208 × 3120 @ 30 fps
Field of view	120°

ENVIRONMENT

Operating temperature	0–40 °C (32–104 °F)
Storage temperature	−20–60 °C (−4–140 °F)
Humidity (use / storage)	10–90% / 10–90%

CONNECTIVITY

Front ports	USB-C ×1, HDMI IN ×3, USB 3.0 ×2, USB-B ×1
Front keys	Power, Source, Settings, ECO, Menu, Volume − / +
Bottom ports	HDMI IN, HDMI OUT, USB-C OUT, RJ45, RS232, Touch USB-B, USB 2.0, USB 3.0, TF card, Earphone, MIC IN, SPDIF OUT
Wireless	Wi-Fi 5 + Wi-Fi 6, hotspot (AP), Bluetooth 5.2
Expansion	80-pin OPS slot (Windows PC)

GENERAL

Power supply	100–240 V AC, 50/60 Hz
Power consumption	Max < 350 W · ECO < 75 W · Standby ≤ 0.5 W
Overall dimensions (W × H)	4083 × 1266.4 mm
Package (W × D × H)	2255 × 1380 × 280 mm
Weight	Net 95 kg · Gross 105 kg (± 2 kg)
VESA	1008 × 225 × 32 mm
Certifications	CE (EMC + LVD), RoHS, FCC, CCC
Warranty	1 year whole product, 3 years touch parts (extendable)

IN THE BOX

Accessories	3× Wi-Fi antenna, 2× touch pen, remote control, 1.5 m power cord, 1.5 m HDMI cable, 1.5 m USB touch cable, wall-mount kit



Specifications subject to change without notice. Optional items (camera, microphone, OPS PC, RAM and storage options) depend on the ordered configuration.