

BenQ RP6504 Interactive Display(9H.F97TC.DE3)

BenQ Board Pro RP6504 - 65" Diagonal Class RP04 Series LED-backlit LCD display - education - with built-in interactive whiteboard, touchscreen (multi touch) - 4K UHD (2160p) 3840 x 2160 - black



Discover different ways to present lessons and take your teaching to the next level with this extra powerful board.

Key Selling Points

- Rely on efficient long-term performance
- An ideal teaching environment
- Annotate anywhere
- Shortcuts on the side
- Convenient connectivity
- Immersive sound
- Clear audio pickup
- A better writing experience
- Designed for healthier classrooms
- Only the best for your eyes
- Stop the spread of germs
- Protect indoor air quality
- Air ionizer
- IP5X dust protection

Product Features

Rely on efficient long-term performance

The RP04 runs features an 8-core Pro chipset ensuring its futureproof use and consistently fast performance.

An ideal teaching environment

The RP04 comes out of the box with everything you need to give effective and engaging lessons.

Annotate anywhere

The built-in Floating Tool lets you write on top of any app, website, document, image, or content on the board or from connected devices.

Shortcuts on the side

Accessible with just a tap, the sidebar gives you quick access to the home screen, input sources, and all your most used apps.

Convenient connectivity

The RP04 has multiple ports at the front for convenient connectivity. It also features a 100 W USB-C port that lets you display screens, charge devices, and enable touchback.

Immersive sound

Experience unmatched audio with the board's two powerful front-facing speakers and a subwoofer.

Clear audio pickup

The RP04's 8-microphone array with echo cancellation and noise reduction ensures that you're heard loud and clear.

A better writing experience

The BenQ Board Pro encourages students to work together by providing a wide interactive space that offers lag-free touch response and a natural writing experience.

Designed for healthier classrooms

The BenQ Board Pro is equipped with the maximum level of ClassroomCare protection so educators can teach with confidence while their students interact safely.

Only the best for your eyes

The RP04 is EyeSafe Certified with an RPF 50 rating. It offers a high level of protection for the eyes. The display prevents eye strain by greatly reducing high-energy blue light while maintaining the screen's vivid colors.

Stop the spread of germs

Minimize surface transmission with germ-resistant technologies. The RP04's touchscreen, buttons, and front ports are made with a proprietary TÜV-certified formula that is 99.9% effective against common germs.

Protect indoor air quality

Poor indoor air quality negatively affects student health and performance. The BenQ Board Pro helps monitor CO2, PM2.5, and TVOC levels in the classroom so you can regulate air flow accordingly.

Air ionizer

The BenQ Board Pro smart board features an air ionizer that helps regulate impurities when pollutant levels rise.

IP5X dust protection

The RP04 panel complies with IEC standard 60529 to ensure consistent operation, even in dust-prone classroom environments.

Main Specifications

Product Description	BenQ Board Pro RP6504 RP04 Series - 65" LED-backlit LCD display - 4K - for education
Product Type	LED-backlit LCD flat panel display with built-in interactive whiteboard, touchscreen (multi touch)
Diagonal Class	65"
Commercial Use	Yes - education
Colour	Black
Resolution	3840 x 2160
Display Format	4K UHD (2160p)
Video Interface	HDMI
HDMI Ports Qty	4 ports
Connectivity	Wi-Fi, LAN, NFC, Bluetooth
PC Interface	VGA (HD-15), DisplayPort
Technology	IPS
LCD Backlight Technology	LED backlight
Image Aspect Ratio	16:9
TV Tuner	No tuner
Commercial Features	OPS Slot
Picture Enhancements	72% Colour Gamut NTSC
Speaker System	2 speakers, subwoofer
Intelligent Assistant	Google Assistant (not available for some languages and countries)
Storage Capacity	128 GB
USB	Yes
Included Accessories	Remote control, 2 styluses, Wi-Fi dongle
Voltage	AC 100-240 V (50/60 Hz)
Power Consumption Operational	95 Watt
Power Consumption Stand by	0.5 Watt
Dimensions (WxDxH)	148.84 cm x 11.77 cm x 93.76 cm
Weight	40.6 kg
Environmental Standards	ENERGY STAR Qualified
Manufacturer Warranty	3-year warranty

Extended Specification

General

Product Type	LED-backlit LCD flat panel display
Power Consumption (Max)	426.8 Watt
Power Consumption Operational	95 Watt
Diagonal Class	65"
Commercial Use	Yes - education
Combined With	Built-in interactive whiteboard, touchscreen (multi touch)
Series	RP04 Series
Operating System	Android OS 13
TV Tuner	No tuner
TV Tuner Presence	No
Sensors	NFC sensor, ambient light sensor (ALS), Infrared (IR), motion sensor, air quality sensor
Video Interface	HDMI
HDMI Ports Qty	4 ports
PC Interface	VGA (HD-15), DisplayPort
Modes	Landscape mode
Picture Enhancements	72% Colour Gamut NTSC
Protection	Germ-resistant
Width	148.84 cm
Depth	11.77 cm
Height	93.76 cm
Weight	40.6 kg
Enclosure Colour	Black

Manufacturer Warranty

Service & Support	Limited warranty - exchange - 3 years - on-site
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Miscellaneous

Included Accessories	2 styluses, Wi-Fi dongle
Cables Included	VGA cable - 3 m HDMI cable - 3 m USB touch cable - 3 m USB-C cable - 1.5 m
Compliant Standards	Google EDLA, DisplayPort 1.2a, Eyesafe Certified 2.0, TUV Rheinland, SIAA, IEC 60529 IP5X

Power

Power Device	Power supply
Input Voltage	AC 100-240 V (50/60 Hz)
Power Consumption Stand by	0.5 Watt

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 90% RH (non-condensing)

Display

LCD Display Technology	IPS
Resolution	3840 x 2160

Display Format	4K UHD (2160p)
Image Aspect Ratio	16:9
LCD Backlight Technology	LED backlight
Coating	Anti-glare, 9H Hard, 25% haze
Image Contrast Ratio	1200:1
Dynamic Contrast Ratio	50000:1
Brightness	450 cd/m²
Viewing Angle	178 degrees
Viewing Angle (Vertical)	178 degrees
Touchpoints Qty	50
Response Time	8 ms
Backlight Life	50,000 hour(s)
Commercial Features	OPS Slot
Operation Hours / Days	18 / 7
Features	10-bit support, infrared touch technology, built-in air ioniser, EZWrite Software, Device Management Solution (DMS), Account Management System (AMS), BenQ ClassroomCare solutions, Flicker free technology

Connections

Connector Type	VGA input 4 x HDMI input HDMI output DisplayPort 7 x USB 3.0 USB 2.0 USB-C with 100W Power Delivery 2 x USB-C 3.0 USB-C with 65W Power Delivery 3 x touch Microphone Audio line-in Audio line-out 2 x LAN RS-232 SPDIF output
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Audio System

Speaker System	2 speakers, subwoofer
Features	Built-in 8-array microphone
Speakers	2 x main channel speaker - 20 Watt 1 x subwoofer - 16 Watt

Remote Control

Type	Remote control
Features	Voice control

Dimensions & Weight (Shipping)

Width (Shipping)	162.8 cm
Depth (Shipping)	20.8 cm
Height (Shipping)	102.4 cm
Weight (Shipping)	47.8 kg

Network & Internet Multimedia

Connectivity	Wi-Fi, LAN, NFC, Bluetooth
LAN Protocol	Gigabit Ethernet
Wi-Fi Protocol	802.11ax
Bluetooth Version	Bluetooth 5.2
Connect & Share	InstaShare 2

Stands & Mounts

Wall Mount Included	Yes
Flat Panel Mount Interface	600 x 400 mm
VESA Compatibility	Yes

Media Player

USB Port	Yes
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Configuration

4 x ARM Cortex-A78 + 4 x ARM Cortex-A55 - 8 GB - 128 GB - Mali G57 MC5

Internet of Things (IoT)

Internet of Things (IoT) Compatible	Yes
Intelligent Assistant	Google Assistant (not available for some languages and countries)

Sustainability Information

ENERGY STAR Certified	Yes
ENERGY STAR Version	8.0

What's in the box

- BenQ Board Pro RP6504
- Remote control
- VGA cable - 3 m
- HDMI cable - 3 m
- USB touch cable - 3 m
- USB-C cable - 1.5 m
- Wall mount
- 2 styluses, Wi-Fi dongle

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet