BenQ

Eye-Care
Solution

Germ-Resistant
Screen

Air Quality
Sensor

aws partner network
Advanced
Technology
Partner

G
Google for Education
Partner

TÜVRheinland
CERTIFIED

SIAA
ISO 22196
for KOHKIN

McAfee

# Stay Healthy and
Collaborative In The Classroom

Endless Collaborative Possibilities with **ClassroomCare™ Interactive Flat Panels**

Invisible Enemies
Surrounding the Classroom

Poor air quality, germs, and blue-light from LCD panels
are the silent invaders of healthy classroom environments.

Did you know that poor air quality causes the following symptoms?

Cough | Eye irritation | Allergic reactions | Asthma | Headache
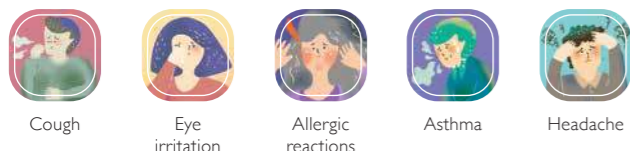
The truths are

100 ⬆
Times Higher

Indoor levels of pollutants can be more than outdoor levels

High Levels of ⬆CO_2⬆

Results in drowsiness and poor student performance

Did you know that germs are commonly accumulated on the following items in schools ?

Students' hands | Sink faucet handles | Keyboards | Bathroom door handles | Cafeteria tables and trays
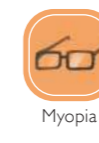
The truths are

4.5
Sick Days

Are taken by K-12 students per year

Respiratory (colds and flu) and Gastrointestinal illness (norovirus and rotavirus)

Are commonly transmitted infections in schools

Did you know that blue light, flickering and glare emitted by screens can cause the following symptoms ?

Digital eye strain | Myopia

The truths are

7
hours

Of on-screen time per day are spent by teens for leisure and entertainment

1 Billion
People World Wide

Have a vision impairment

What BenQ ClassroomCare™ Interactive Flat Panel Can Bring to Your Classrooms

Instant Enviromental Detection | Eliminate 99% of Germs | Eye Health Protection

## We Provide a Highly Engaging and Healthy Learning Environment

Sources:
U.S. Environmental Protection Agency, "Why Indoor Air Quality is Important to Schools"
CO_2 Meter, "Indoor Air Quality In the Classroom"
The Active Times, "These Are the Dirtiest Places in a School"
Happi, "The Impact of Hand Hygiene On School Absenteeism"
ABC News, "Teens spend more than 7 hours on screens for entertainment a day: Report"
World Health Organization, "Blindness and vision impairment"

A Digital Transformation for the Future Classroom

Advanced ClassroomCare™ Interactive Flat Panels offer the Perfect Balance of Collaboration and Health

Cloud Management
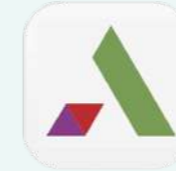
Account Management System (AMS)
to manage user accounts and teaching materials

Device Management System (DMS)
to remotely manage BenQ displays

X-Sign Broadcast
to broadcast school news, video and audio files to BenQ displays

Collaboration

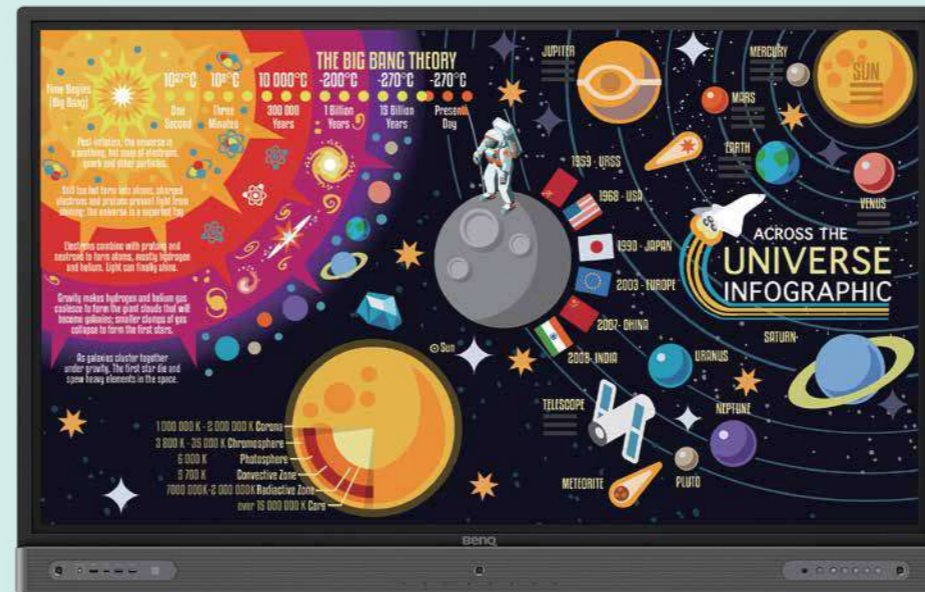**EZWrite Whiteboarding**
for in-class interactive lessons

Cloud Whiteboard
for online collaborations across multiple devices

Collaboration Tool
for enhanced interaction and team building

Why BenQ Interactive Flat Panel?

3rd Party Software

NUITEQ Snowflake
Ideal for distance learning or for your classroom, Snowflake gives you access to teacher-made standard-aligned lessons accessible anytime, anywhere.
(Only available from BenQ in ANZ Region)

Mythware
Mythware Classroom Management Software allows the teacher to control and manage the class in optimal conditions while the students learn, collaborate and communicate individually with the teacher or in groups.

Distance Learning

EZWrite Live
a web-based whiteboarding solution for distance and rural learning

Wireless Presentation

InstaShare App
for two-way wireless casting, mirroring and annotating between the display and multiple devices

Health Care

Air Quality Sensor
monitors CO_2, PM2.5, PM10 levels plus temperature and humidity

Germ-Resistant Screen
includes the TÜV and SIAA-certified nano-ionic silver coating to kill bacteria

Smart Eye-Care Solution
protects your eyes with flicker-free, low blue light and anti-glare features

ClassroomCare™ Technologies
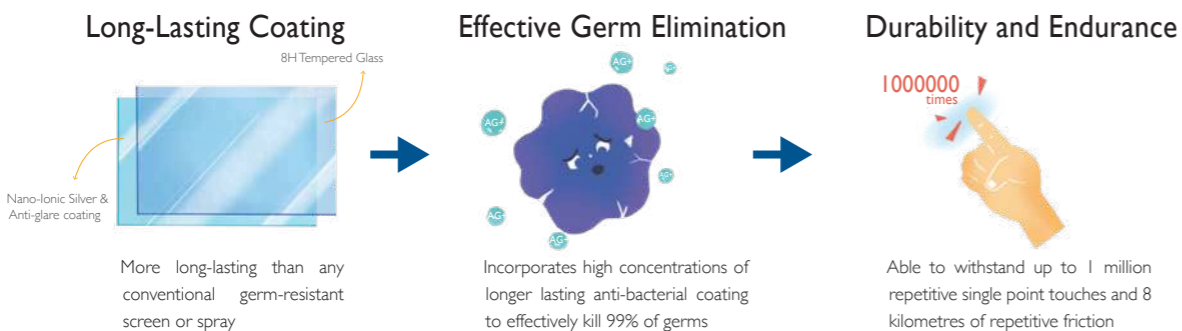# a Safeguard in Classrooms

BenQ's ClassroomCare technologies cover everything from eye care and germ resistance to CO_2, Particulate Matter, Temperature and Humidity monitoring, creating a safe and healthy space for students and teachers.

Third Generation of Germ-Resistant Screen

TÜVRheinland® CERTIFIED   SIAA ISO 22196 for KOHKIN

Incorporates higher concentrations of nano-ionic silver compounds, and is cured together with an anti-glare coating and tempered glass, giving the screen longer-lasting anti-bacterial and eye-care efficacy than any conventional germ-resistant screen or spray on the market. Most importantly, the screen is certified by TÜV and SIAA proving the efficacy of germ-resistance and non-toxicity.

The benefits of 3rd generation of germ-resistant screen

Long-Lasting Coating

8H Tempered Glass

Nano-Ionic Silver & Anti-glare coating

More long-lasting than any conventional germ-resistant screen or spray

Effective Germ Elimination

Incorporates high concentrations of longer lasting anti-bacterial coating to effectively kill 99% of germs

Durability and Endurance

1000000 times

Able to withstand up to 1 million repetitive single point touches and 8 kilometres of repetitive friction

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Air Quality Sensor

Air Quality Sensors help measure and display key environmental parameters in classrooms including temperature, humidity, PM 2.5, P10, CO_2 and Volatile Organic Compound (VOC) concentration levels, allowing teachers to intervene in good time.

❄ SYDNEY

🏠 23°C   💧 44% CO_2 PM2.5   PM10

Real-Time Environmental Indicator

Indoor Air Quality	Bacteria	Eye Risks
Particulate matter, CO2 level, and humidity affect teaching and learning efficiency	Bacteria accumulation on displays can result in infection	Blue light exposure, screen flickering, and display brightness

Advanced Air Quality Sensor

NEW   PM2.5 CO_2

PM 2.5 Sensor CO_2 Sensor

➕

Germ-Resistant Screen

Germ-Resistant with Nano-Ionic Silver Coating

➕

Smart Eye-Care Solutions

Flicker-Free   Low Blue Light   Anti-Glare

Health Care Features	RP02	RM02
Nano-Silver Coating	✓	✓ Available from 2021
Germ-Resistant Certificate	TÜV SIAA	TÜV
CO_2 Sensor	✓	X
PM 2.5/PM10 Sensor	✓	X
Temperature & Humidity Sensors	✓	X
Low Blue Light TÜV Certificate	✓	✓
Flicker-Free TÜV Certificate	✓	✓
Anti-Glare	✓	✓

EZWrite
Limitless Collaboration Opportunities

Combining Whiteboarding, Annotation, Collaboration and Distance Learning, EZWrite empowers teachers to provide interactive and collaborative lessons, fitting into a variety of classroom scenarios.

Enhanced Interactive Learning

EZWrite is designed for interactive lessons, facilitating brainstorming, illustrating ideas, recording notes and collaboration between the teacher and students.
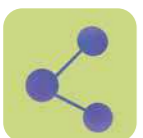
Teaching With Ease

Tap & Create

Designed to activate the EZWrite whiteboard app with a simple tap of the NFC Pen

Handwriting Recognition

Recognises text, numbers and even drawings, and places them on the whiteboard in a clearly legible way.

Video Recording

Teachers can record all on-screen steps during their lectures and use the recorded videos for class preparation or review purposes

Data-to-Go

Class notes can be saved and shared directly via email, QRcode or a USB stick after the lesson is finished

Palm Eraser

Easily erase writing and drawing by using your hand

Interactive Cooperation Tools for Fun Team Activities

Timer & Stopwatch

Perfect for timed team competitions, presentations and group activities

Calculator

Lets teachers perform mathematical calculations quickly

Geometry

Straighten and format roughly drawn shapes

Draw Lots

Randomly select students to answer questions or participate in activities
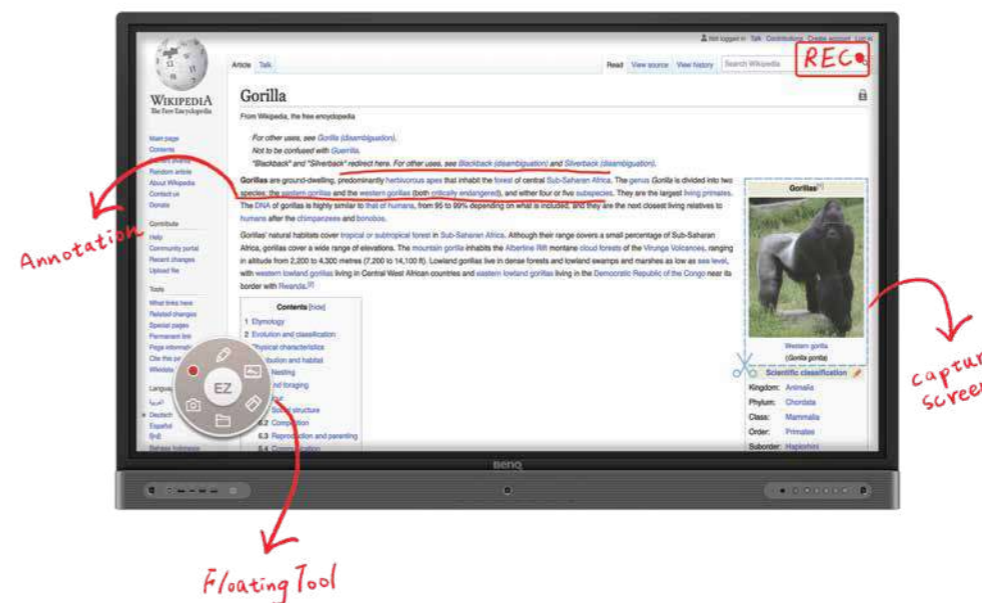
Team Post

Up to 3 teams of students can participate and post their answers simultaneously

Score Board

A convenient and reliable tool for tallying game scores right on screen.

Flexible Annotation, Anytime

Floating Tool

Utilise the Floating Tool to write and erase notes, record and capture on top of any app, image or video. Also compatible with Windows, Mac, or Chrome browsers when connecting with laptops or tablets.

Select Mode

Press the arrow to keep the annotation and switch between different pages.

Capture

Supports gestures to take a flexible screen capture

Tool box

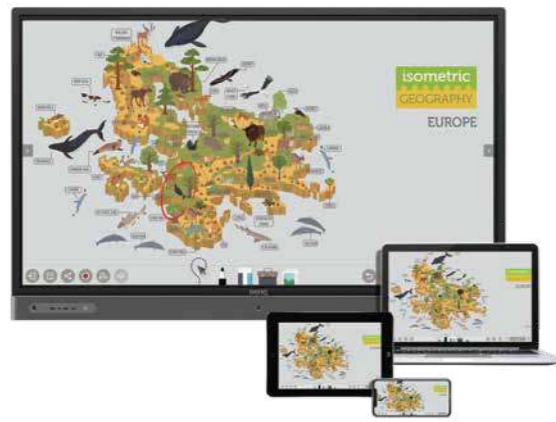Shortcut for file manager, clock, timer, draw, and grouping

EZWrite Live

Endless Collaborations On The Cloud

With built-in Cloud Whiteboard and Sticky Notes, teachers have the flexiblility to take their lessons online, offering them new methods for capturing attention and collaborating with students.
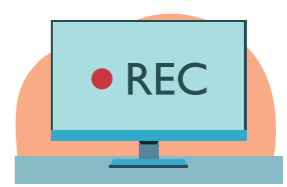
Cloud Whiteboard

Teachers and students can enjoy enhanced interactivity by using EZWrite Cloud Whiteboard to collect, categorise, edit, and share notes between the display and mobile devices.

Online Sticky Notes

In Cloud Whiteboard, teachers and students can discuss and brainstorm any topic using Sticky Notes, opening up endless possibilities for engagement and creativity.

Board to Board

Create a shared cloud whiteboard on different BenQ IFPs simultaniously for group discussions.

Make Your Remote Learning Engaging and Collaborative

EZWrite Live is a web-based whiteboarding and video conferencing platform designed for remote learning. Compatible with Firefox, Chrome, and Safari browsers, it allows teachers to offer online lessons to students who can either participate in the classroom or from home.

Create Interactive and Collaborative Lessons Anywhere

Access from anywhere through web browser across different OS platform and devices.

Real-time annotation enables teachers and students to interact simultaneously.

One-tap video recording allows students to focus on the lecture without the distraction of note-taking.

Teachers can easily take control of the class by turning on/off students' editing-access of the cloud whiteboard.

Teachers and students can use their existing whiteboard canvas as they did in their schools.

Built-in education focused templates are designed for better communication.

The Perfect Companion for Distance Learning

Learning from Home

Distance Education

Real Pen Writing Experience With No Gap

Featuring advanced touch technologies, Zero Bonding and Fine IR Plus, BenQ RP Series provides real-time and accurate writing and drawing feedback just like natural writing. Express your ideas easily, quickly and consistently.

Zero Bonding Technology

Zero Bonding Technology ensures a natural and accurate writing and drawing experience by reducing the gap between the touch point and the point displayed on screen.

Original   Enhanced

3mm   1mm

Boost Creative Education

Thanks to Zero Bonding Technology and Fine IR Plus technologies, users can simultaneously write in different colours and paint at the stroke of a brush, increasing engagement with students.

Dual Pens

Ideal for group discussions or answering questions during class lessons, Dual Pen allows users to write simultaneously in different colours.

Brush Mode

Works with any brush, making painting and drawing limitless. Brush Mode is ideal for inspired creativity in art classes.

Wirelessly Share Your Thoughts In One Click With **InstaShare**

Designed to enhance Project Based Learning, InstaShare is a revolutionary screen sharing technology that provides the capability for wireless presentations and effortless collaboration.

Two-Way Mirroring and Touch Back Across Multiple Platforms

InstaShare can be installed across multiple platforms, including iOS, Android, Chrome and Windows OS, offering convenience to share content and provide instant feedback from laptops, smartphones and tablets to the Interactive Flat Panel.

In-App Sharing Permission Control

Unpermitted content casting can interrupt lessons and reduce learning quality. In-app screen sharing permission lets teachers control the permission of content sharing from students' devices.

Nine Split Screens For Synchronised Discussions

InstaShare allows up to nine devices to connect to the interactive flat panel at once.

iOS

Connect Your Account and Teaching Materials with Account Management System

For Teachers

Access Your Class Material Automatically in Different Classrooms

BenQ AMS can connect with Google Drive, OneDrive, Dropbox and Network Folder, allowing teachers to import class materials to EZWrite or open supporting files through AMS in any classroom without having to enter account information again.

Smart Login to Your Personalised Setting Anywhere In the Campus

Designed to simplify the login process, teachers can either scan a QR code to log in to their personalised IFP environment using a smartphone or tablet (for both IFP and Smart Projector), or tap the NFC sensor to activate (IFP only) – just like your PC.

Recent login user

Math   Science   History

EZWrite   Login
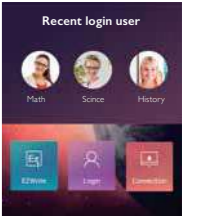
For IT Staff

Efficient Account Management

Traditionally, it is extremely time consuming to manage large amounts of user accounts for corporate IT managers. AMS provides a clear and intuitive user interface for IT managers to remotely manage multiple user accounts.

Account Management

Hassle-free Cloud Display Management

IT departments of large schools and local education authorities are facing some major challenges: how can they manage all the screens at all their locations, how can they synchronise documents so that they're easily accessible for all staff and how can school messages be delivered efficiently to students?

Empower Your Broadcasting System With X-Sign Broadcast

Designed to simplify the broadcasting process across different classrooms, X-Sign Broadcast can be scheduled to broadcast school messages, classroom material, video and audio files to all or dedicated Interactive Flat Panel using any laptop, tablet or smartphone.

Web-based Platform: Access From Any Device

Supported files formats

Broadcasting Method

Notebook

PPT XLS PDF DOC
Document Files
(PDF, Word, PPT, EXCEL)

Cloud Storage
(Google Docs, OneDrive)

Tablet

Image, Audio, Video Files

Group Message Broadcasting

Gather at the auditorium at 3 o'clock

Scheduled Broadcasting

Smartphone

You Tube
Youtube

Instant Messaging

Manage Displays On The Cloud With Device Management Solution

Device Info and Management

Displays can be remotely controlled with DMS Cloud via the Internet, lowering overall TCO and energy consumption.

Apps Management

DMS Cloud is designed to save you the hassles of repetitive manual installation work.
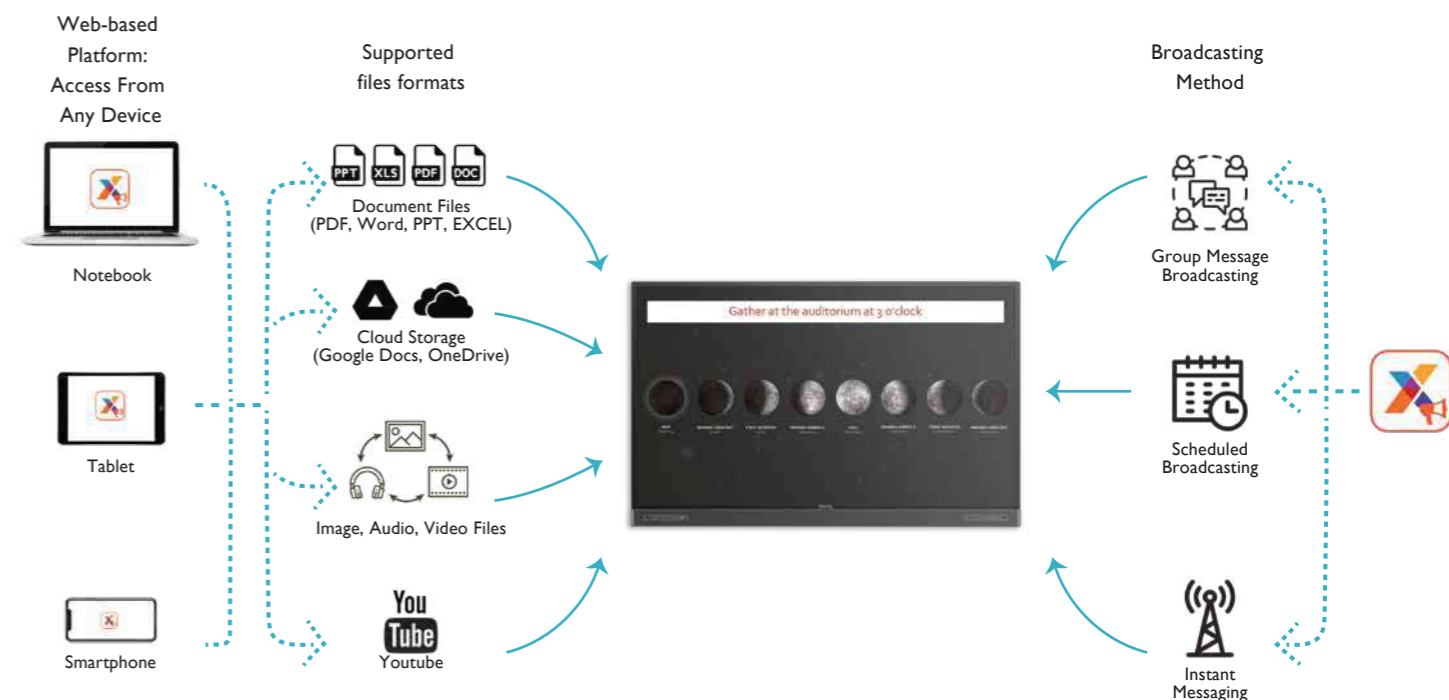
OTA (Over-the-Air) Update

Upgrade the latest BenQ firmware for your displays through our OTA Update support and keep them running smoothly at all times.

Thoughtful Design that Helps Teachers Achieve Learning Outcomes in the Classroom

We have designed our Interactive Flat Panel to better facilitate the teaching process, ensuring that teachers can deliver lessons throughout their class without interruption.

8H Tempered Glass with Germ-Resistant Coating

for powerful protection

Air Quality Information
monitors CO2, PM2.5 and PM 10 levels plus temperature and humidity

Sync With The Files
stored on your own Google Drive, Dropbox, OneDrive and local network drive

Quick Shortcuts
to start EZWrite Whiteboard, Wireless Projection via InstaShare and manage files on Account Management System (AMS)

Slot-In-PC
adds the ability to run Windows OS on the panel

Smart Remote Control
presenter (digital pointer, spotlight) included

PIR Motion Sensor
(Short Range) for Eye-Care activation

Function Buttons

PIR Motion Sensor (Short Range)
for Eye-Care activation

Multiple Connection Ports
(HDMI, USB Type-C, USB 3.0, USB 2.0)

NFC Sensor
to instantly activate EZWrite whiteboard and personal accounts with the tap of the NFC Pen

PIR Motion Sensor (Long Range)
for auto screen wakeup

Speaker Subwoofers and Equalizer
offers the best sound settings to suit the size of classrooms and lessons

PRODUCT COMPARISON

Specification	RP02	RM02
Size	65" 75" 86"	55" 65" 75" 86"
Resolution	4K (UHD)	4K (UHD)
Touch Technology	Fine IR Plus/ Zero Bonding	Fine IR / Zero Bonding
Touch Points	20	20
Touch Accuracy	±1.0mm	±1.0mm
Panel	IPS	IPS
Cover Glass	4mm, 8H Tempered	4mm, 8H Tempered
Panel Life Expectancy	50,000 Hours	50,000 Hours
Brightness (nits)	350, 450, 400	350
SoC	Dual Core A73 + Dual Core A53 / 1.5GHz	Dual Core A73 + Dual Core A53 / 1.5GHz
Storage / Memory	32GB / 4GB	32GB / 4GB
Built-In OS	Android 8.0	Android 8.0
Proximity Sensor	X 2	x
Temperature & Humidity Sensors	●	x
Air Quality Sensor	●	x
Ambient Light Sensor	●	●
Integrated Speakers	32W +15W Subwoofer Front Facing Soundbar	32W Front Facing Soundbar
Orientation	Landscape	Landscape
IP5X Dust Proof	●	●
Remote Control with Digital Pointer	●	●
Built-In Microphone	X 8	x
Built-In Camera	Optional	Optional
HDMI Out	●	●
SPDIF Output	●	●
USB Type A	2.0 x 2, 3.0 x 2	2.0 x 2, 3.0 x 2
USB Type C	●	x
RS232 Input	●	●
OPS PC	Optional (Azure certified)	Optional (Azure certified)

Specification	RP02	RM02
Wi-Fi	2.4G/5G WiFi + Bluetooth Dongle	2.4G/5G WiFi + Bluetooth Dongle
Bluetooth	2.4G/5G WiFi + Bluetooth Dongle	2.4G/5G WiFi + Bluetooth Dongle
NFC Reader/Writer	●	x
Built-In Whiteboard Software	●	●
Built-In Casting with Touch Back	InstaShare (9-Split Screen)	InstaShare (9-Split Screen)
Built-In Access to 3rd Party Apps	●	●
OTA Updated Firmware	●	●
Device Management System	● (LAN / Cloud)	● (LAN / Cloud)
Wall Mount	Included	Included
Cross Platform Annotation Tool	●	●
Secured Personal Log In System	By NFC Card or QR Code	By QR Code
Screen Recording	● + Voice Recording	●
Handwriting Recognition	●	●
Preloaded Office Reader Software	WPS	WPS
Cloud Drive Access Integration	Google Drive / Dropbox / One Drive (Office 365) / Local Drive	Google Drive / Dropbox / One Drive (Office 365) / Local Drive
Active Directory	●	●
Remote Collaboration Software	EZWrite Live	EZWrite Live
Video Conference Software Compatible in Android	Blizz / Zoom / Webex	Blizz / Zoom / Webex
Video Conference Software Compatible in Windows	Zoom Rooms / Skype for Business / Google Hangout / Zoom / Teams	Zoom Rooms / Skype for Business / Google Hangout / Zoom / Teams
Built-In Antivirus Software	McAfee 2-Year License	McAfee 2-Year License
Azure Certified	●	●
AWS Partner Certified	●	●
Google for Education Certified	●	●
Digital Broadcast System	X-Sign Broadcast	X-Sign Broadcast

EZ — Easy and Intuitive Whiteboard Software

A — Account Management System

D — Device Management Solution

X — Broadcasting Solution
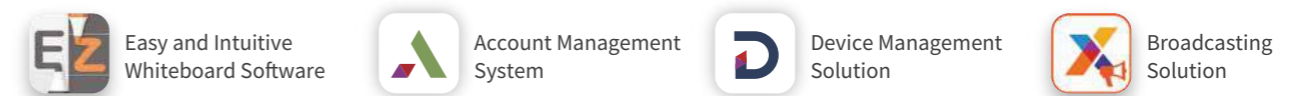
Option accessories are also available for keyboards, mice and powerboards.
Wall mounts and trolleys can be added during installation.

About Toshiba

Toshiba (Australia) Pty Limited is part of the globally operating Toshiba Tec Corporation, active in various high-tech industrial sectors.

Toshiba is a leading provider of information technology, operating across multiple industries - ranging from retail, education and business services to hospitality and manufacturing. With headquarters in Japan and over 80 subsidiaries worldwide, Toshiba Tec Corporation helps organisations transform the way they create, record, share, manage and display information. For more information please contact us:

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Together Information is Toshiba's vision for how people and organisations create, record, share, manage and display ideas and data.

It is based on our belief that the most successful organisations are those that communicate information in the most efficient way .

We make that possible through an integrated portfolio of industry-specific solutions, all of which reflect Toshiba's commitment to the future of the planet.

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