

Infinite possibilities



TOMi⁸

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All in one for Teachers

Innovation in education in less than 1kg.

The 8th generation of the renowned all-in-one device for teachers has arrived. It retains its beautiful design, the integration of all the necessary tools to innovate in the classroom and the ability to emulate Internet browsing when network connectivity is poor or unavailable.

Android Operating System:

TOMi8 runs on Android. The device's main application has been redesigned to run as a single-window application, taking advantage of the motherboard's capabilities and optimizing all built-in resources.

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Portable digital whiteboard

TOMi8 integrates a new generation of digital whiteboard with infrared technology that can turn any screen or projection into an interactive surface:

Automatic calibration

TOMi8 automatically calibrates the projection area to interact with it. It takes less than 1 second to perform an accurate calibration once you are pointing at the projection

Higher resolution

The digital whiteboard's built-in camera has 1000x the resolution of the previous version. TOMi8 allows you to write by hand with greater precision and interact with any application.

Multi-touch

It is possible to activate up to 10 touch points simultaneously, in order to allow the interaction of several students on the whiteboard. You can also use intuitive multi-touch gestures in Android applications.

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Integrated Hotspot

Simultaneous connections

Hi-link's HLK-RM60 chipset with Dual Frequency Gigabit 5G WiFi6 enables more concurrent connections to TOMi8. Up to 120 smart devices can now be connected simultaneously. Students can connect their tablets, PCs, laptops and smartphones to TOMi8 to browse the local content server or as a gateway to the Internet.

Roof

TOMi8 has two external slots to connect extensions with optional antennas for coverage of up to 100 meters.

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Content Server

Hummingbird Learning

TOMi8 integrates the Kolibri library to download and share content with students through the TOMi8 hotspot. Teachers can create groups and upload their content.

Servidor FTP/HTTP

Third party application to create shared folders and web applications.

Noise alert

TOMi8 incorporates an internal microphone to measure noise in the classroom and uses a colorful light notification to alert teachers if the noise is harmful to their health.



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The microphone can be used by any installed calling application, such as Whatsapp or Telegram.

TOMi Groups APP

TOMi.digital enhances the educational functionalities of TOMi8 devices. The main application installed to take advantage of these features is TOMi Groups.

TOMi Groups is a completely free application that can be used on the TOMi8, on the web using a browser, or on any smart device, Android or iOS, by downloading it from the Play Store or Apple Store.

Class Member Management

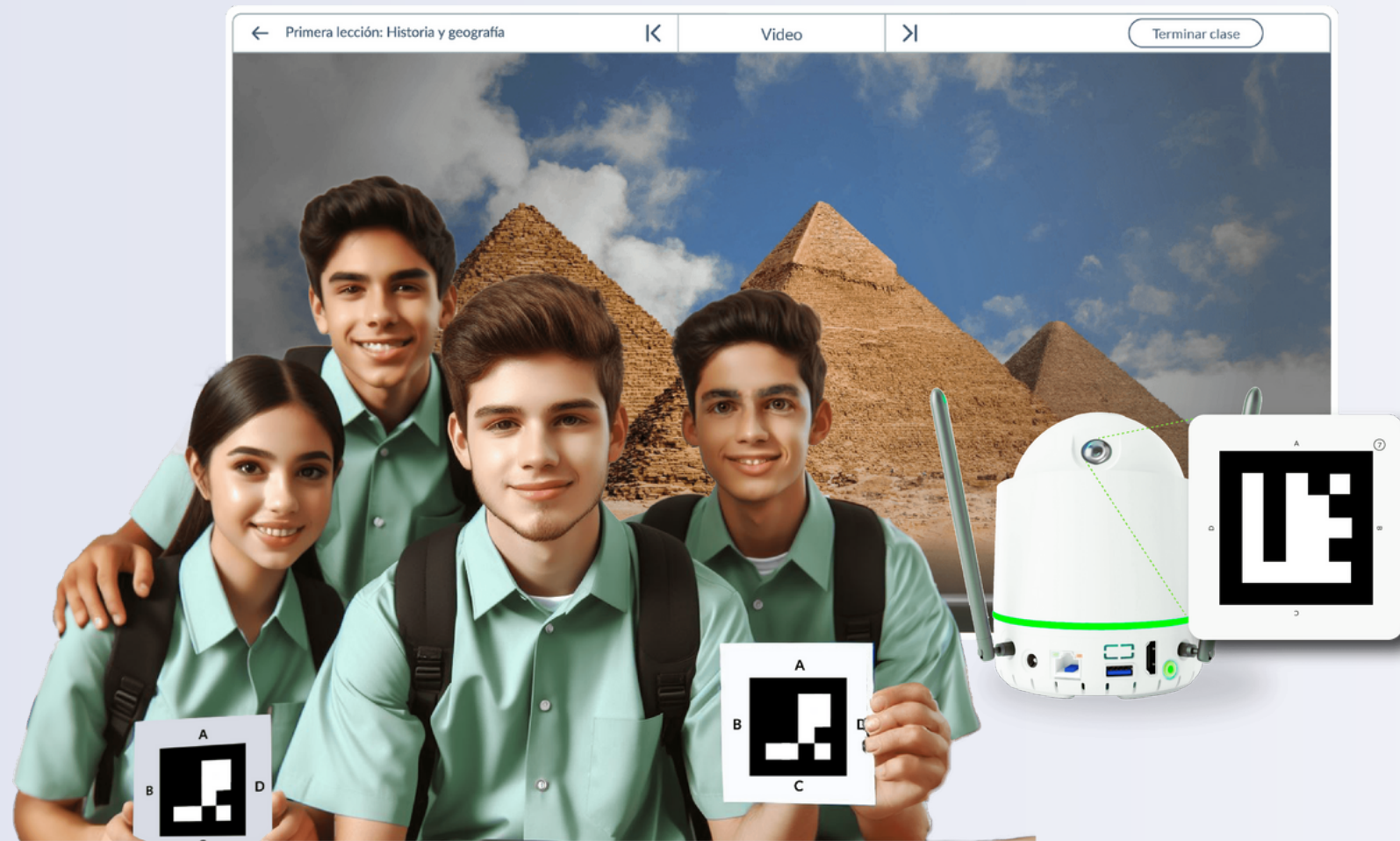
Teachers can invite students and parents/guardians to join classes using class codes, to track class activities such as badges awarded to students, grading tests, and for public and private announcements.

Test Qualification

Teachers can use digital templates to create their tests, which TOMi8 will use for automatic grading using the built-in camera. Teachers, students and their parents can view individual and/or group reports.

Assist Control

The TOMi Groups application uses the integrated camera to record student attendance by reading their QR code. Attendance can be recorded manually if the teacher prefers.



Integrated Hotspot

Random Participation

In order to encourage class participation, the system will randomly select a student from the list to establish their turn.

Reports

The results of assessments, badge accumulation and attendance records can be clearly displayed, specified by student.

Insignia

TOMi promotes gamification as an effective teaching strategy. With TOMi Groups, the teacher can assign badges to students with the TOMi8 image representing multiple categories and skills.

Adverts

Teachers, students and parents can use TOMi Groups to stay in touch with each other. Public announcements in class, private messages and notes to parents and students allow for improved communication considering security and cybergrooming.

Surveys

Teachers can use exam marking templates to evaluate students in real time, question by question, even if they do not have a personal smart device connected to TOMi8.

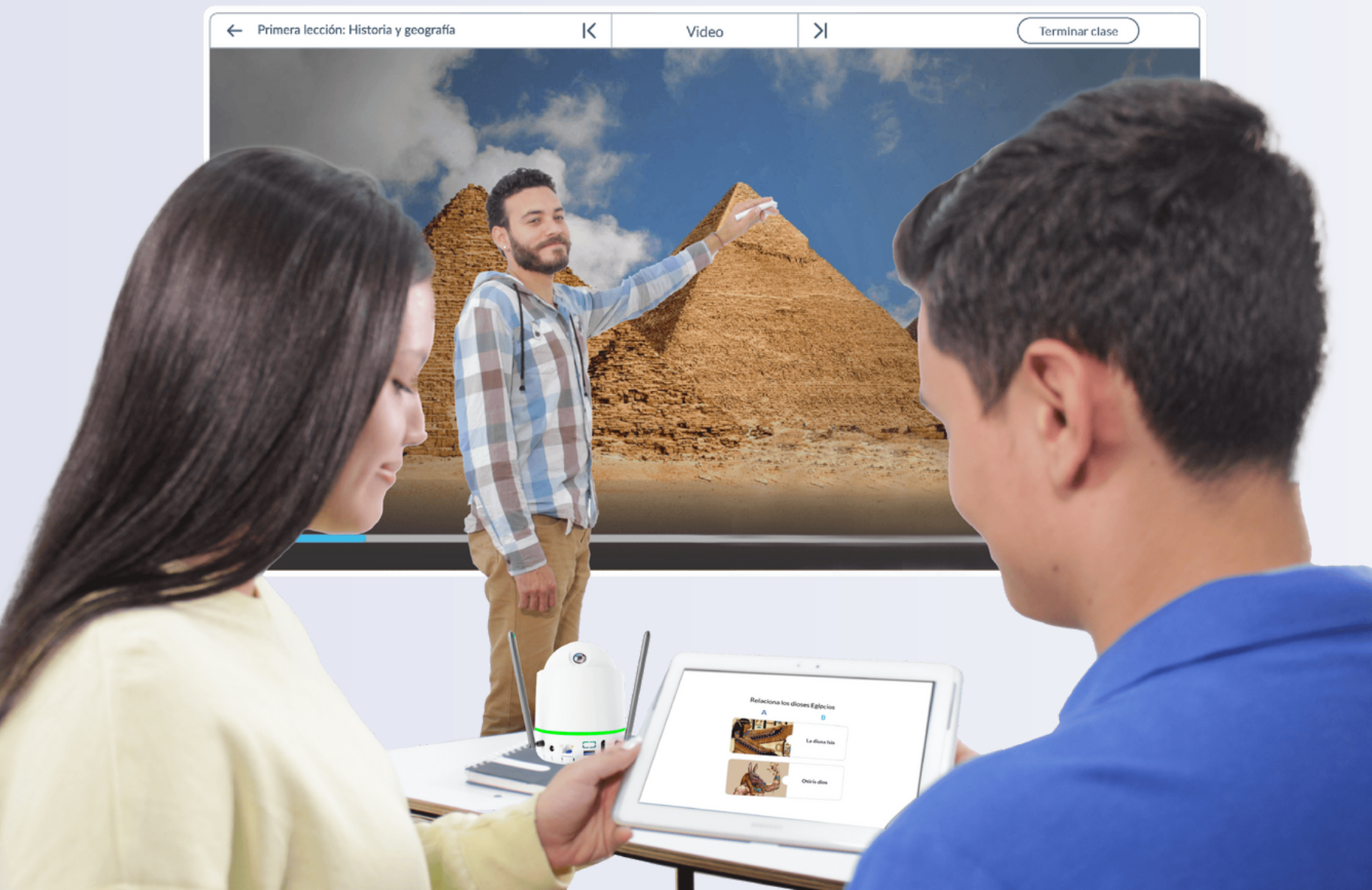
Students show the TOMi8 camera a sheet of paper printed with their personal QR code, and rotate it according to their multiple choice answer selection. The selection will be recorded as the result of the test.

Global Community of Teachers

TOMi8 allows cultural exchange between teachers, who will be able to contact other TOMi8 users via video call from anywhere in the world.

TOMi.Digital

TOMi8 is fully compatible with TOMi.digital, the web platform for teachers, where they can create fun and interactive activities for free to present online, or offline using the device.



Synchronous group presentation

Classes created from the TOMi.digital platform can be presented without an internet connection, as follows:

Students connected to the TOMi8 hotspot join the interactive class, while the teacher directs the flow of the presentation from the TOMi.digital app on their mobile device.

All group features for offline use of TOMi.digital are available to TOMi8 users free of charge.

AI-based reviews

Students connected to the TOMi8 hotspot will receive AI-based recommendations to download complementary activities that reinforce their group class sessions. Students can take lessons home on their smart devices to study even without an internet connection.

Hardware

Refrigeration

The cooling system has been redesigned to ensure continuous upward airflow through the main processor and router coolers. Tested in high temperature environments.

Processor

Octa-core de 64 bits a 2,4 GHz

RAM memory

TOMi8 is now available with 4GB/8GB/16GB RAM.



SSD storage

TOMi8 uses high-speed SSD storage with 128GB/512GB/1TB/2TB or custom storage for specific projects and based on availability.

Microphone

TOMi8 incorporates an internal ambient microphone for video calls and voice commands.

External ports

New repositioned ports have been added for easier connectivity and new audio and Wi-Fi coverage capabilities. Ethernet, USB, HDMI, external antennas, audio output, power.

Integrated applications

Thanks to the new Android operating system with built-in application store, TOMi8 is compatible with millions of applications. Some of them are installed by default.

Remote control

The AnyDesk remote control is pre-installed and allows teachers to control TOMi8 from their smartphone or laptop, simulating a keyboard and mouse, while connected to the hotspot. This app is also used to provide remote assistance.

On-screen keyboard

When a physical keyboard is not available, teachers can use the on-screen keyboard to type in any application installed on the device using the touch capabilities of the digital whiteboard.

Focus, Magnifying glass

Complementary tools to focus students' attention on specific content while the teacher gives the presentation.

Digital whiteboard application

Various writing applications available to take advantage of the multi-touch capabilities of the device's integrated digital whiteboard technology.

New augmented reality application

The augmented reality app comes pre-installed and has a library of 3D objects.



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Scanner

The scanner app allows teachers to scan students' work and notebooks, storing them in the device's memory. They will no longer have to carry dozens of notebooks to review at home.

Google Meet, Microsoft Teams, Whatsapp

The installed communication applications allow teachers to set up their own accounts to make virtual video calls from TOMi8 while connected to the Internet.

TOMi is transforming education around the world



Infinite possibilities

The previous version of TOMi has been successfully implemented, both in schools in developed and developing countries, generating a significant impact on the learning of thousands of students.

TOMi not only stands out as a hardware manufacturer, but also as a specialist in K-12 education.



White brand

TOMi8 represents the TOMi8 own brand, and is available for white label starting with 5,000 units.

Our Technological Assistant for Teachers will be available as TOMi 8, as well as for white label starting at 5,000 (Minimum Purchase Order).



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Datasheet

Processor	Octa core de 64 bit a 2.4 Ghz
RAM memory	4 GB to 16 GB / LPDDR4X
GPU	Mali video GPU with AI support and 8k video codecs
Storage	From 64GB to 2TB / nvme m2 SSD
Size	107mm (diameter) x 133mm (Height)
Weight	440 gr device - 970 gr inside the box, including accessories
Wifi	Chipset: RTL8821CU, USB2 0, 2,4 GHz + 5 GHz. 600 Mbps (11N: 150 Mbps, 11AC: 433 Mbps). IEEE 802.11AC... 802.11b 802,11g 802.11n, WEP, WPA-PSK, WPA2-PSK, cifrado WPA/WPA2 64/128 bit.
WiFi access point	IEEE 802.11a/b/g/n/ac/ax WLAN 2.4Ghz/5.8Ghz with speed up to 573+1201Mbps, dedicated high-performance 32-bit RISC CPU, external and internal
Bluetooth	Bluetooth 4.2
Ethernet LAN/WAN	YES - 1000BASE-T (Ethernet Gigabit)
3G/4G mobile interface	NO
Battery	NO

Built-in camera	13 Megapixels 30fps, autofocus
Built-in interactive whiteboard	Next-generation infrared pointer based on artificial vision
Operating system	Android 12L - Actualizable
Puerto USB	1x 2.0
Puerto HDMI	HDMI 2.1
Refrigeration	Smart internal fan
Content Server Administrator	Kolibri GNU for user administration, downloading content in multiple languages and uploading custom content
Preloaded content	For purchase orders greater than 1,000 units, personalized content may be uploaded.
TOMi Digital Compatibility	TOMi8 is fully compatible with the online and offline functionalities of TOMi.digital.
Mobile app	TOMi digital, TOMiplay and the TOMi Groups mobile application are fully compatible with TOMi8.
Web Application	TOMi digital, TOMiplay and TOMi Groups web applications fully synchronized with TOMi8.
User authentication	User authentication is managed online and offline using TOMi Groups for class management and Kolibri for content navigation.

Compatibility with third-party applications	Any Android compatible application will be able to run. Google Mobile Services is optional for white label.
Application Update	Updating applications through the App Store or OTA
Automatic assistance socket	Using the 13 megapixel camera and computer vision
Voting system	Using the 13 megapixel camera and computer vision
Automatic test grading	Using the 13 megapixel camera and computer vision
Augmented reality	Using the 13-megapixel camera and third-party app
Remote control	Pre-installation of remote control app to control TOMi from other devices.
Optical pencil	Infrared stylus with AAA batteries Included in the box
Electrical specifications	Power adapter 5V - 6A - Maximum consumption 30 watts



Thank you

mi.tomi.digital/tomi8