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Evonote

The minimalist digital notebook for school

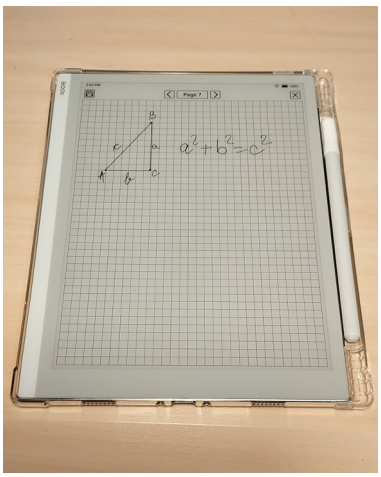
1. What is Evonote?

Evonote is the **first digital notebook** designed for students. They write with a stylus on the screen just like on paper – but without losing pages and without carrying the burden of a heavy backpack: everything is saved automatically, page by page, into an online account.

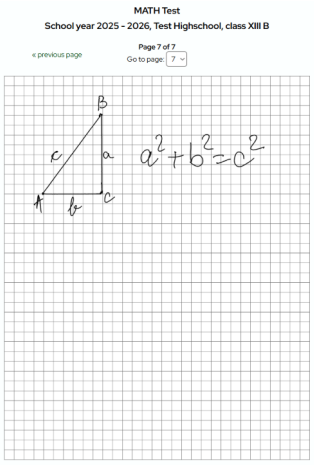
Unlike regular tablets (with OLED or LCD screens), Evonote uses an E-Ink display – a paper-like technology that does not emit direct light, does not strain the eyes, and consumes up to 20 times less energy. This makes it ideal for school, where children spend hours in front of the tablet, and both battery life and eye protection are essential.

There are no external apps, no games, no ads, and no social networks. The tablet becomes a tool 100% dedicated to learning, protecting children's vision thanks to its front-light-free screen, lasting much longer on a single charge, and eliminating distractions.

It is a "digital notebook" that can fully replace traditional paper notebooks – keeping all their advantages, while adding new ones.



Write on EVONOTE



Store in cloud

2. Problems solved and key advantages

All notebooks in one

- one device instead of 8–12 separate notebooks
- significantly lighter school bag
- reduces strain on the child's spine
- no torn or lost pages

Natural handwriting experience

- matte E-Ink display, no glare
- smooth writing, very close to paper
- dynamic line thickness and instant response

Keeps handwriting at the center of education

- handwriting is essential for memory and learning
- laptops/tablets cannot preserve real handwriting
- Evonote offers the first truly effective bridge between real handwriting and digital tools

Eye comfort and protection

- E-Ink emits no light—reflects like real paper
- no blue light, no flicker
- comfortable for long use

Simple hardware ⇒ potentially lower cost

- runs fluently without high-end CPU or RAM
- design can be optimized specifically for school use
- can be produced in more affordable hardware configurations

Long battery life

- 2–3 days of intensive school use
- 10–20 days of occasional use
- ideal for classroom routines

Closed ecosystem, no distractions

- no YouTube, TikTok, games, notifications, or other distractions
- full focus on writing and classroom activity
- aligned with the trend of limiting phones and screens in schools
- one tool only: a digital notebook, not a general-purpose device

Cloud synchronization

- automatic backup
- pages available online
- organized by school years

Evonote is a tablet that behaves like a notebook, combining the advantages of both worlds: the natural feel of handwriting and the benefits of digital.

3. What we already have

Registered trademark

- EVONOTE is officially registered at OSIM (certificate no. 171619, valid until 2030).

Academic validation

- The development of EVONOTE began as part of the bachelor's thesis "*Minimalist digital notebook for education on EPD devices, with cloud storage (Evonote prototype)*", presented at the **Faculty of Mathematics and Computer Science, University of Bucharest**, graded 10/10.
- The thesis details both the technological foundations (including the advantages of EPD technology) and the implemented software architecture.

Writing — the core function of the system

- Evonote provides a fluid, natural handwriting experience, very close to writing on paper.
- The writing engine is stable and optimized for E-Ink displays: fast response, precise tracking, dynamic line thickness.
- Writing is not an auxiliary feature – it is the foundation of Evonote and the reason the platform exists.

Technical platform behind the writing experience

- The Evonote app runs on the modern BOOX Go 10.3 E-Ink tablet, fully ported and optimized.
- All essential functions are implemented:
  - pagination
  - automatic saving
  - synchronization
  - page viewing and navigation

Closed and controlled system

- The tablet runs only the Evonote app – no other apps, no distractions, no notifications.
- This behavior is achieved by combining Device Owner mode with a custom launcher that blocks access to the Android interface.
- The result: the device behaves as a digital writing tool, not as a multifunctional tablet.

Internal administration system (Evonote MDM — basic version)

- Evonote operates as device owner, providing the foundation for a full MDM.
- The launcher includes a hidden DEV menu, used only during development, allowing temporary exit from kiosk mode and access to debugging functions.

Fully functional cloud

- Written pages are automatically synchronized to the user's account, in a format compatible with accurate handwriting reconstruction.
- The web platform allows:
  - viewing pages
  - downloading notebooks as PDF
  - organizing by subjects and school years
- Data remains safe even if the tablet is lost or reset.

Real-world testing in progress (December 2025)

- Two Evonote tablets are already used by students in real scenarios, providing direct feedback from daily use.
- Testing focuses on natural, day-to-day usage – not just short demonstrations.

4. What's next?

Expansion of the internal administration system (Evonote MDM)

- Implementing remote application update mechanisms (APK push/update) – essential for operating a large number of tablets.
- Adding additional controls over device behavior: boot directly into Evonote, keep the app active, automatic recovery in case of freezes.
- Introducing internal tools for basic diagnostics and minimal monitoring.
- All these functions are designed specifically for school use, not for a generic enterprise MDM.

Strengthening the internal technical components

- Optimizing the custom launcher to fully control the usage flow and prevent access to the Android interface.
- Adding technical intervention mechanisms (DEV tools), accessible only by code, to quickly recover the device in unexpected situations.
- Stabilizing internal routines for continuous use over long periods (full days of writing).

Evonote interface evolution

- Refining ergonomics: more intuitive button placement and consistent visuals.
- Improved clarity in displaying pages, options, and save state.
- Fine adjustments to the writing module to increase natural line behavior and user comfort.

Expansion of testing

- Moving from a few devices to testing with a larger group, ideally a full class.
- Observing system behavior in real scenarios: simultaneous use, short breaks, rapid lesson changes.
- Final calibration of ergonomics, save rhythm, and auxiliary functions.

Preparing the hardware stage

- Selecting the appropriate hardware model based on real-world test results.
- Initiating discussions with manufacturers (existing brand or OEM) for:
  - factory integration of Evonote,
  - delivery of a school-dedicated model,
  - achieving a cost that allows large-scale adoption.
- This stage remains open and will adapt based on results and hardware partner availability.

What we know for sure

- We will use testing results to validate both technical and pedagogical decisions.
- We will adapt the application and device behavior based on real classroom use.
- We will seek a hardware partner (existing brand or OEM) that can provide:
  - software control (SDK access),
  - factory-level Evonote integration,
  - a competitive price for an education-dedicated model.

What we do not know yet

- Which hardware model will be chosen – depends on student and teacher feedback.
- How fast and cooperative the hardware partner will be.
- Whether direct visits, negotiations, or unexpected adjustments will be required.

What we guarantee

- Real-time adaptation of all system components to achieve the goal: a stable, accessible, fully education-dedicated tablet that runs Evonote without distractions.

5. Potential Market

- There are over **1 billion school-aged children worldwide**. Each of them uses notebooks.
- The potential market is enormous: **billions of notebooks** are used every year across all education systems.
- The category of "digital notebooks dedicated exclusively to education" **does not exist yet**; it cannot be evaluated with classical metrics – just as the smartphone market could not be meaningfully evaluated in the year 2000.
- One fact is clear: schools consume **huge amounts of paper** every year, with significant production and logistics costs.
- Replacing physical notebooks with a specialized digital device – built solely for handwriting – opens an entirely new market.
- In addition, several secondary markets naturally emerge:
  - educational **cloud services**,
  - archiving and secure access,
  - multi-device synchronization,
  - content and auxiliary educational services.

Evonote is already a complete foundation for such an ecosystem.

6. The "secret weapon": extremely low hardware usage

- Prototype tests show that Evonote uses roughly **25% CPU** and under **5% RAM** in real usage.
- This extremely low consumption allows the system to run on **minimal hardware**, far cheaper than traditional tablets.
- Once the hardware model is chosen, **mass production triggers a cascade of cost reductions per unit**:
  - simpler hardware →
  - lower production cost →
  - reduced final price →
  - faster adoption →
  - even lower cost.
- This is exactly how dedicated technologies (not general-purpose tablets) become affordable at national scale.
- In education, where budgets are limited, **hardware efficiency is the key** that can make Evonote adoptable on a wide scale.