

# UNIQUE ID SERIAL EEPROM



Seamless traceability  
Make your device unique



**Unique ID EEPROM for traceability, accessory recognition, repair regulations, and sustainability goals.**

Ready-to-use EEPROM with a Unique ID offers robust data integrity and ease of integration. With 200 years of data retention and 4 million cycles endurance, it ensures long-term reliability. The I<sup>2</sup>C interface and Jedec 8-pin package simplify its integration. The 128-bit Unique ID EEPROM helps identify devices, prevent misuse, and support sustainability goals. Ideal for industrial, consumer, healthcare, and personal electronics, ST's Unique ID EEPROM enhances traceability, robustness, and compliance with industry standards.



## FEATURES FOR EMBEDDED DEVELOPERS

- Bus protocol: I<sup>2</sup>C
- User memory: from 32-Kbit to 2-Mbit
- Voltage range: 1.7 to 5.5 V
- Operating temperature range: - 40 °C to + 85 °C

## KEY APPLICATIONS

- Industrial
- Consumer
- Healthcare
- Personal electronics



## Track every moment of your product's lifecycle



- Device recognition
- Version compatibility
- Detection of cloned devices



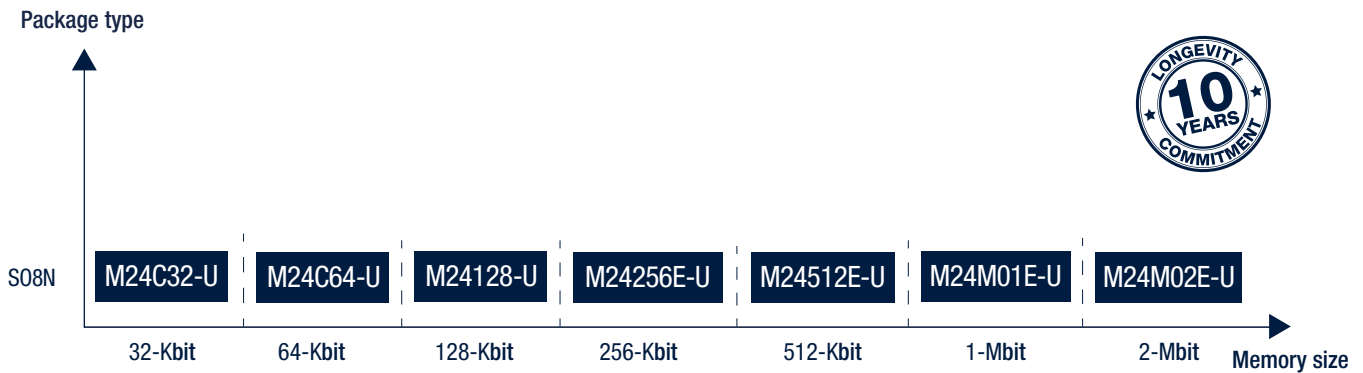
- Stock management
- Tracking facilitator
- Maintenance history



- Defects or recalls reporting
- End-of-life management
- Environmental compliance

## Portfolio

The ST Unique ID EEPROM portfolio comes in various densities, from 32-Kbit to 2-Mbit, in an SO8N package. Samples are available for 64-Kbit and 128-Kbit, other densities coming soon. Additional packaging options available upon request.



## M24xxxx-U benefits

Identification	Recognize genuine devices, combat counterfeiting, and more
Traceability	Track usage throughout the product lifecycle, maintenance, and more
Sustainability	Ensure compliance with reuse and repair regulations



Discover more:  
[st.com/EEPROM-UID](http://st.com/EEPROM-UID)



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