



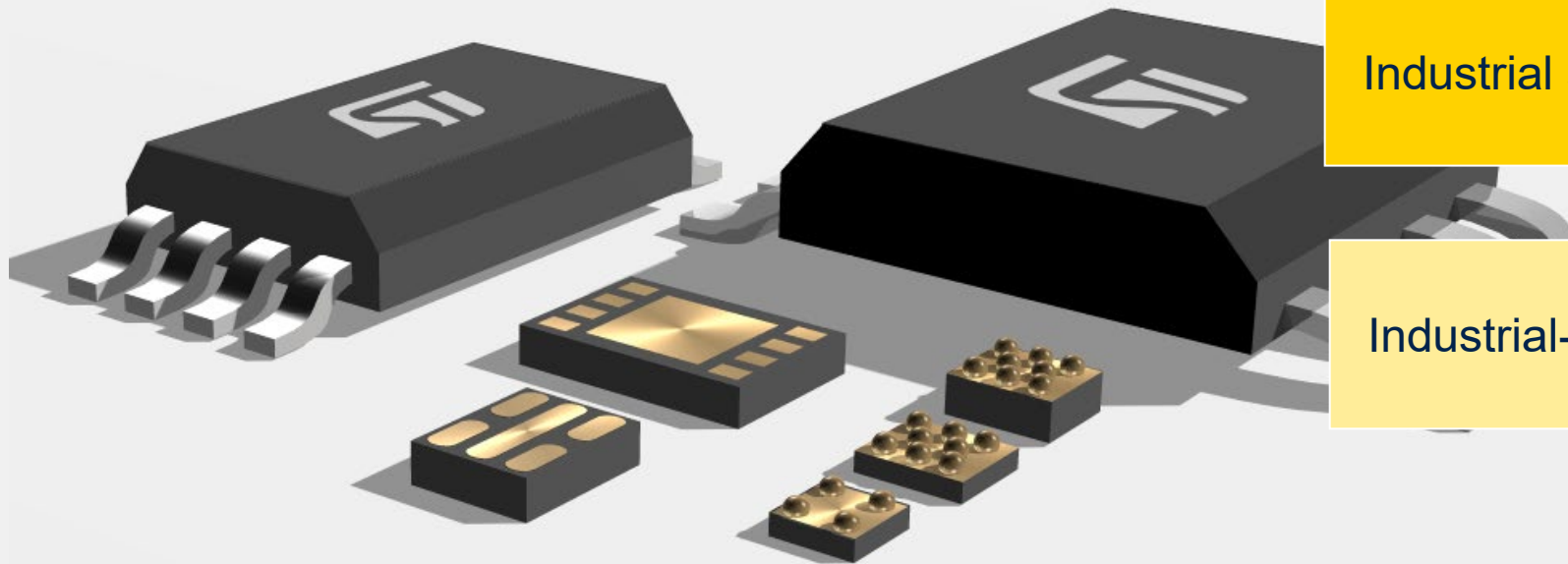
Industrial-Plus Serial EEPROM & Page EEPROM 105°C operation





The world's #1 serial EEPROM supplier

Expanding our product range to support higher temperatures



Industrial series: **up to 85°C**

Industrial-plus series: **up to 105°C**



Industrial-plus 105°C applications

EEPROM the first choice for flexible and reliable parameter management

Factory equipment



- Automation
- PLC controllers
- Datalogging

5G network



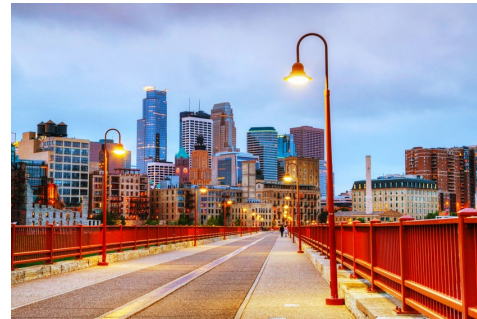
- Base station
- Switches

Power & grid infrastructure



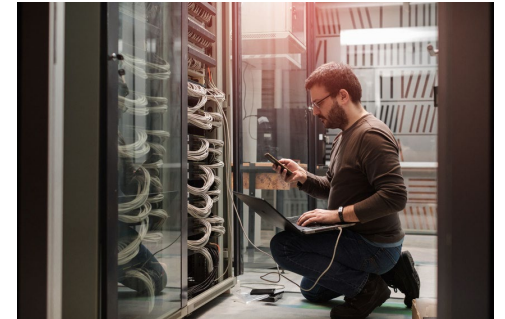
- Meters
- Breakers
- Inverters
- Power supplies

Smart LED & lighting



- Smart city
- Industrial lighting
- Smart LEDs

Network & servers



- Identification
- Main board
- Active cables



Features and benefits

Industrial-plus EEPROM (105 °C) for robust industrial applications



1.7 V - 5.5 V power supply

Flexible plug-in on
1.8 V, 3.3 V, or 5 V rail

2 ms or 4 ms write time

Faster programming for smarter
applications

500K+ cycles at 105 °C
200 years of data retention

High endurance for easy and reliable
data logging function

Identification and lockable page

Store and protect sensitive data
Traceability, serial number, unique ID



Industrial-plus EEPROM Portfolio 105°C

Protocol	Package	2Kb	4Kb	8Kb	16Kb	32Kb	64Kb	128 Kb	256 Kb	512 Kb	1 Mb	2Mb	4Mb	8Mb	16Mb	32Mb
SPI	SO8N	Available	Available	Available	Available	Available	Available	Available	Available	Available	*	*	*	Available	Available	Available
	TSSOP	Available	Available	Available	Available	Available	Available	Available	Available	Available	*	*				
	DFN8						Available							On-demand	On-demand	On-demand
	WLCSP													On-demand	On-demand	On-demand
I ² C	SO8N	Available	Available	Available	Available	Available	Available	Available	Available	Available	*	*	*			
	TSSOP	Available	Available	Available	Available	Available	Available	Available	Available	Available	*	*	*			
	DFN8	Available	Available	Available	Available	Available	Available	Available	Available	Available						
	WLCSP						Available				On-demand	On-demand	On-demand			

Legend: Available On-demand * Under development





Ordering information

RPN

M24 C64 -DRE

M24: I²C
M95: SPI

Memory density

105 °C

CPN

M24 C64 -DR MN 8 TP /K

M24: I²C
M95: SPI

Memory density

Voltage

MN: SO8N
DW: TSSOP
MC: DFN8
CU: WLCSP

105°C

RPN

M95 P08 -E

M95: SPI

Memory density

105 °C

CPN

M95 P08 -EX MN T /K

SPI

P08: 8-Mbit
P16: 16-Mbit
P32: 32-Mbit

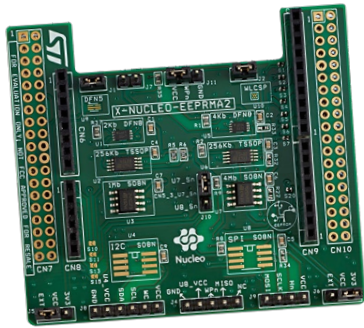
105°C

MN: SO8N
MC: DFN8
CS: WLCSP



Prototype with STM32 Nucleo expansion boards

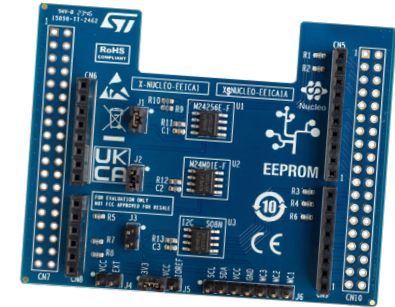
X-NUCLEO-EEPRMA2



X-CUBE-EEPRMA1



X-NUCLEO-EEICA1



I²C - SPI compatible
STM32 Nucleo expansion board

Discover more

STM32Cube expansion package

Discover more

I²C new advanced technology
STM32 Nucleo expansion board

Discover more



105°C industrial-plus serial EEPROM summary

Ideal for smart industry and harsh environments

- Extensive high-performance portfolio
- Robust ROHS and lead-free package
- Samples available now

- [Standard Serial EEPROM - Industrial products](#)
- Prototype with [X-NUCLEO-EEPRMA2](#) board
- IBIS and Verilog models available on st.com



Our technology starts with You



Find out more at www.st.com/eeprom

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