



# Serial EEPROM

By adopting ST's EEPROM, you benefit from the expertise and long-term commitment of the number 1 EEPROM supplier for more than 10 years (IHS Dec.2015).

ST's comprehensive portfolio offers devices from 1 Kbit up to 2 Mbits with SPI, I2C and Microwire interfaces. Products feature up to 4 million write/erase cycles per byte, over 100 million cycles per device and more than 100 years of safe data retention. Best in class performance guarantee the safest and the most flexible management for parameters, data and small code storage.



Automotive series benefits from our zero-defect approach to offer very robust, high-performance products for high-reliability applications.

ST EEPROM are available in robust mainstream SO8N, TSSOP8, DFN8 packages and in DFN5, WLCSP 8, 5 and 4 balls tiny packages.

Here's a selection of the devices with lowest and highest density by family.

## STANDARD SERIES – INDUSTRIAL 85°C

Part Number	Interface	Density Min/Max	Power supply	Clock Speed	Packages
M24C01-R	I <sup>2</sup> C	1Kbit	1.6V to 5.5V	Up to 1MHz	SO8N, TSSOP, DFN8, DFN5, WLCSP 4/5/8 balls
M24M02-R	I <sup>2</sup> C	2Mbit			
M95010-R	SPI	1Kbit	1.7V to 5.5V	Up to 20MHz	SO8N, TSSOP, DFN8, WLCSP 8 balls
M95M02-R	SPI	2Mbit			
M93C46-W	Microwire	1Kbit	2.5V to 5.5V	Up to 2MHz	SO8N, TSSOP, DFN8
M93C86-W	Microwire	16Kbit			

## STANDARD SERIES – INDUSTRIAL PLUS 105°C

Part Number	Interface	Density Min/Max	Power supply	Clock Speed	Packages
M24C02-DRE	I <sup>2</sup> C	2Kbit	1.8V to 5.5V	Up to 1MHz	SO8N, TSSOP8
M24512-DRE		512Kbit			
M95040-DRE	SPI	4Kbit	1.8V to 5.5V	Up to 20MHz	SO8N, TSSOP8
M95512-DRE		512Kbit			

## AUTOMOTIVE SERIES – 125°C

Part Number	Interface	Density Min/Max	Power supply	Clock Speed	Packages
M24C02-A125	I <sup>2</sup> C	2Kbit	1.7V to 5.5V	Up to 1MHz	SO8N, TSSOP8, DFN8
M24M02-A125		2Mbit			
M95020-A125	SPI	2Kbit	1.7V to 5.5V	Up to 20MHz	SO8N, TSSOP8, DFN8
M95M02-A125		2Mbit			
M93C46-A125	Microwire	1kbit	2.5V to 5.5V	Up to 2MHz	SO8N, TSSOP8
M93C86-A125		16Kbit			

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