



High density SPI Standard I²C EEPROM with 110 nm technology





“ If only

My high-density EEPROM had an optimized footprint, competitive pricing, and efficient power consumption

This is where we come in



New 110 nm process addressing customer needs

ST introduces the first 2 Mbit and 4 Mbit in TSSOP8

- Optimized footprint
- Competitive pricing
- Consumption effectiveness
- Wide V_{CC} range
- Plug-in replacement 150 nm

	Smaller die	Smaller package	New features												
		<table border="1"><thead><tr><th></th><th>DFN8</th><th>TSSOP8</th></tr></thead><tbody><tr><td>1-Mbit</td><td>X</td><td>X</td></tr><tr><td>2-Mbit</td><td>X</td><td>X</td></tr><tr><td>4-Mbit</td><td></td><td>X</td></tr></tbody></table>		DFN8	TSSOP8	1-Mbit	X	X	2-Mbit	X	X	4-Mbit		X	
	DFN8	TSSOP8													
1-Mbit	X	X													
2-Mbit	X	X													
4-Mbit		X													

* Printed circuit board ● 2-Mbit now available in TSSOP ● 4-Mbit now available in TSSOP





SPI Standard I²C

Focus application domains

The new 110 nm address a **wide range of applications** allowing **more data to be stored**.

Network & telecom infrastructure



- 5G network
- Routers
- Servers
- Transceivers

Industrial & building automation



- Smart meters
- Automation

Medical & healthcare wearables






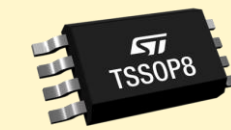



- Medical and healthcare
- Wearables



110 nm process

SPI Standard I²C EEPROM key features

	M95M01E-F	● M95M02E-F	● M95M04-DR				
Memory size	1-Mbit	2-Mbit	4-Mbit				
Page size	256-byte		512-byte				
Supply voltage	1.7 to 5.5 V		1.8 to 5.5 V				
Fast write time*	2.8ms		3.8ms				
Write cycling	4 million cycles						
Data retention	200-year data retention						
Package	 SO8	 ● TSSOP8	 DFN8	 WLCSP8	 SO8	 ● TSSOP8	 WLCSP8

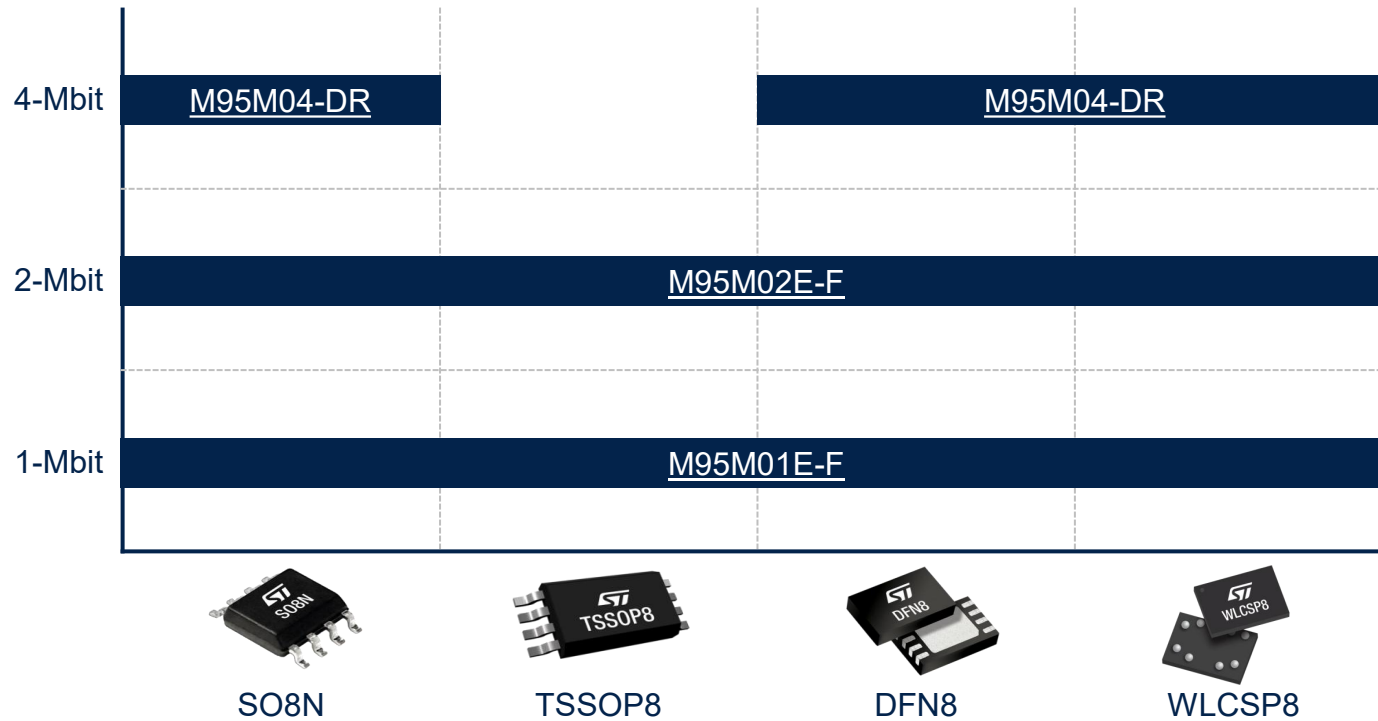


* Typical value ● 2-Mbit now available in TSSOP ● 4-Mbit now available in TSSOP

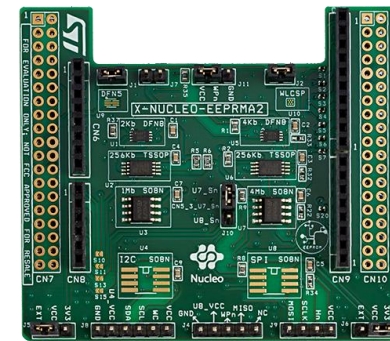


Standard SPI EEPROM product portfolio 1, 2, 4-Mbit

Request samples and prototype with X-NUCLEO-EEPRMA2



STM32 Nucleo expansion board



Discover the
[X-NUCLEO-EEPRMA2](#)
18.62\$





Our technology starts with You



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