

Serial EEPROM

Boost your flexibility with the world's N°1 EEPROM supplier



As the world's number one supplier, ST offers optimum and high-performance serial EEPROMs to meet all design requirements with the best and widest portfolio in terms of densities, interfaces, low pin count and cost-effective packages.

With ST's application-specific memories, you can build your own EEPROM at low cost.

ST's EEPROM memories boost your flexibility.

Key features

- Industry standard interfaces: I²C, SPI, Microwire
- A complete range of densities in a single package
 - S08: 1 Kbit to 1 Mbit
 - TSSOP8: 1 Kbit to 512 Kbit
 - MLP2x3: 2 Kbit to 512 Kbit
- Extended voltage range: 1.7 V to 5.5 V
- Very high endurance
 - 1 million write cycles, more than 40 years data retention
- Robust design in a robust process
 - High-performance in automotive range: - 40 to +125 °C
 - Extended automotive range: - 40 to +150 °C
 - High reliability certified flow (HRCF) for the most demanding applications.
- Small form factor thanks to advance process with WLCSP (wafer level chip scale package)
 - Available densities from 8 Kbit to 1 Mbit
 - 128 Kbit in less than 3 mm², 1 Mbit in less than 8 mm²

Key benefits

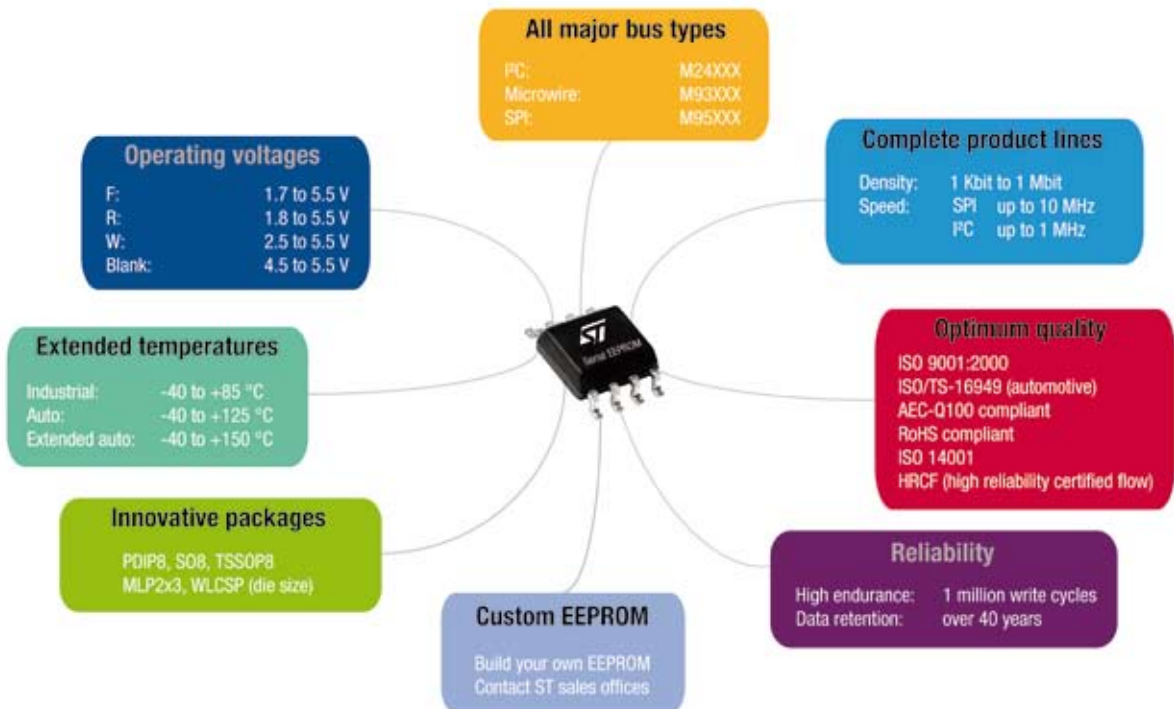
- Cheapest NVM solution for small density
- Most flexible solution for parameter storage
 - No dedicated software development
 - Choice of the memory density after the project has been completed (just pay for the bytes you need!)
- The best choice for heavy cycling, high-temperature applications
- Ideal for low V_{cc}, low-power applications
- More Kbits of EEPROM per mm² on the board thanks to WLCSP

Find the right serial EEPROM

Density	I ² C bus	SPI bus	Microwire bus	SPD for DRAM modules
1 Mbit	M24M01	M95M01	-	-
512 Kbit	M24512	M95512	-	-
256 Kbit	M24256-B	M95256	-	-
128 Kbit	M24128-B	M95128	-	-
64 Kbit	M24C64	M95640	-	-
32 Kbit	M24C32	M95320	-	-
16 Kbit	M24C16	M95160	M93C86	-
8 Kbit	M24C08	M95080	M93C76	-
4 Kbit	M24C04	M95040	M93C66/S66*	-
2 Kbit	M24C02	M95020	M93C56/S56*	M34C02, M34E02
1 Kbit	M24C01	M95010	M93C46/S46*	-

*M93Sxx: version with a user-defined write protected block

High quality at the best cost, ideal for an extensive range of applications



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