

Parallel EEPROM



Atmel Is #1 in Parallel EEPROMs Worldwide

Atmel is the world's leading manufacturer of parallel EEPROM devices. Parallel EEPROMs enables stored data to be updated byte-by-byte or by full sector, providing design flexibility. The parallel interface devices offer high-programming endurance and data retention, as well as faster read times than serial Interface protocols. Atmel provides a complete selection of densities (64-Kbit to 4-Mbit), operating voltages, and device packages. Atmel's Battery Voltage™ (2.7V), low voltage (3V), and 5V devices are used extensively across a broad spectrum of products, including telecommunications, avionics, and military applications.

Key Features

- **Save on components** — The devices are accessed like a static RAM for the read or write cycle, without the need for external components.
- **Monolithic EEPROM** — Atmel offers the only 4-Mbit monolithic parallel EEPROM (AT28C010) for use in military and commercial avionics applications.
- **Extra features** — The devices offer extra features that include internal error correction, an optional software data protection mechanism, and space for device identification.

Parallel EEPROM Devices

Device Family	Summary Benefit	Applications	Technologies	Key Parameters
Parallel EEPROM	Byte-alterable memory High-endurance and high-reliability Parallel access	Direct code execution and high-reliability data storage applications such as telecommunications, avionics, military, etc.	Page buffer for page writes Software data protection	64-Kbit to 4-Mbit 2.7V and 5V versions PDIP, PLCC, SOIC and TSOP packages

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