

One development environment for all your projects

News Release from: **Ramtron International**
 Edited by the Electronicstalk Editorial Team on **8 September 2006**

Big FRAM is optimised for data collection

A 512Kbit nonvolatile serial FRAM aims for use in applications that require high capacity data collection such as utility metering and real-time configuration storage.

Note: A free brochure or catalogue is available from Ramtron International on the products in this news release. [Click here to request a copy.](#)

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Ramtron International Corp has expanded its portfolio of serial memory products with the launch of the FM24C512, a 512Kbit nonvolatile FRAM product with an industry standard two-wire serial interface. The FM24C512 is targeted for use in applications that require high capacity data collection

such as utility metering and real-time configuration storage. 'The FM24C512 provides our 256Kbit FRAM customers with a footprint-compatible upgrade path that doubles their data collection capacity', says Mike Alwais, Ramtron VP of Marketing.

'In particular, many of our metering customers have asked for more FRAM storage capacity to support the trend of collecting more energy consumption data'.

'Having supplied 256Kbit FRAM products for the largest metering installation in the world, and with new advanced metering infrastructures on the horizon, the 512Kbit FRAM is a natural extension of our offerings to the meter market'.

The FM24C512 is a 512Kbit nonvolatile RAM with a two-wire interface that is pin-compatible with industry standard 24C512 EEPROMs for ease of development.

The device performs read and writes at bus speeds up to 1MHz for NoDelay writes, and operates from a 5V power supply, drawing 250uA for reads and writing at 100kHz.

This half megabit FRAM offers 45 years of data retention and is rated over the industrial temperature range of -40 to +85C.

Ramtron's FM24C512 is optimised for data collection applications: it reads and writes continuously at bus speeds of up to 1MHz with over 10 billion writes.

Similar **EEPROM** devices require long write delays, polling software, and have endurance limited to less than 1 million write cycles.

In addition, this new device features low operating currents.

Samples of the FM24C512 are currently available in an 8-pin EIAJ **SOIC package** with pricing starting at \$7.42 in 10,000-unit quantities. [Request a free brochure from Ramtron International....](#)

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