

Search

search for part number

search entire site

Manufacturers

Select one of our dedicated manufacturer sections

Breakthrough wireless memory technology from Ramtron that enables a new generation of RF applications



Ramtron's MaxArias wireless memory combines the low power, high speed, and high endurance features of Ramtron's nonvolatile F-RAM memory technology with wireless access to enable innovative data collection capabilities for a broad range of applications.

Ramtron's first family of wireless memory devices, named the MaxArias WM710xx product line, enables unparalleled tag sensitivity, read/write range, and speed. The MaxArias WM710xx will allow system integrators to extend their RF capabilities to create wireless data collectors capable of storing greater amounts of information locally on high-performance, RF-enabled ICs. The WM710xx family offer F-RAM memory capabilities in 4Kb, 8Kb, and 16Kb densities.

Benefits of MaxArias wireless memory, powered by F-RAM

- Greater RF sensitivity. Write operations are zero power, resulting in no power or speed penalty for executing writes.
- Improved range. Symmetrical wireless reads/writes at 10 metres or more.
- Superior write-speed. With speeds up to 6x faster than EEPROM, MaxArias wireless memory enables full memory block-write operations, allowing more data to be stored faster without "soak time."
- Block-write integrity. SureWrite™ feature prevents data corruption during full block-writes, ensuring complete data integrity.
- Impervious to magnetic fields; resistant to gamma radiation.

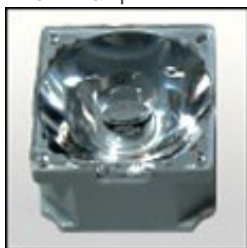
Product features of the WM710xx 4/8/16 Kbit Nonvolatile Ferroelectric RAM (F-RAM)

- Organized as 256/512/1024 x 16 bits
- Virtually unlimited read/write endurance (1E14)
- 20-year data retention
- Symmetric read/write operation
- Advanced high-reliability ferroelectric process
- Global UHF frequency range (860MHz—960MHz)

Downloads

- [White paper \(141 KB\): A new generation of high memory](#)

LEDIL release optics for Cree's new XLamp XP-E LED

[Click Here](#)

Rate this page

1: Poor 5: Excellent

1 2 3 4 5

Product Newsletter



[RFID chips](#)

- [MaxArias reference guide \(1.3 MB\): Product quick reference](#)
- [Datasheet \(530 KB\): Preliminary MaxArias datasheet](#)

For more information, or details on the full range of Ramtron products available from Anglia, please call +44 (0)1945 474747 or email info@anglia.com

Alternatively, click on [this link](#) to go to the main Ramtron section where you can view other news articles and product data.

[back to product news](#)

This news article was originally published in December 2009.

Copyright © 1995-2010 Anglia Components Ltd. Please read our [Privacy Statement](#) in conjunction with the [Terms and Conditions](#) of this Website.

www.anglia.com
info@anglia.com

Tel : +44 (0)1945 47 47 47
Fax : +44 (0)1945 47 48 49