

CST Electronics is appointed distributor for Intellex



Intellex developed XC3 Technology™ to enable a wide range of new RFID solutions. XC3 Technology is based on ISO/IEC 18000-6:2010 (Manchester BAP) and EPCglobal C1G2 industry standards and extends the capabilities of regular passive RFID far beyond its standard capacity. Sometimes this technology is referred to as "Battery Assisted Passive" (also known as BAP), "Semi-Passive" or "Semi-Active".

Not all Battery Assisted Passive technologies are the same. Class 1 BAP, while offering some functionality beyond standard passive RFID, still has extremely limited range and functionality. Only Intellex XC3 Technology tags and readers provide the extended range and capabilities associated with ISO/IEC 18000-6:2010 Class 3 BAP.

Three key benefits of Intellex XC3 Technology Class 3 BAP over Class 1 BAP are:

- 4x the range - up to 300 feet with reliable reads/writes
- 10x the data transfer speed for significantly faster information downloads
- 4x the battery life for extended use and lower overall cost

Read more at [Intellex](#)

Telegesis's most advanced family of ZigBee Modules to date.



The ETRX3 series is the 3rd generation of advanced ZigBee modules from Telegesis and the first module family on the market to feature the EM357 and EM351- the latest ARM® Cortex M-3 SOC's from Ember.

ETRX3 series modules have a footprint of just 19mm x 25mm for both standard and PA/LNA versions which represents a 40% reduction in size compared to the ETRX2 module. They will be available with either an on board antennae or a Hirose U.FL connector to allow connection of external antennae.

Read more at [Telegesis](#)

- MAXIM
- LANTRONIX
- CUSTOM
- Panasonic
- Melexis
- enfora
- VAC
- SOKYMAT
- TERIDIAN
- iButton
- Touch the Future!
- HID
- bel
- telegesis
- SKYWORKS
- ember
- MIK
- GainSpan
- LM TECHNOLOGIES
- antenna
- Digi
- Trimble
- 2J
- OmniVision
- GIGA-TMS INC.
- acam
- SENSOLUTE
- intelleflex

The Lowest Power, Low Cost Wi-Fi Module from Gainspan



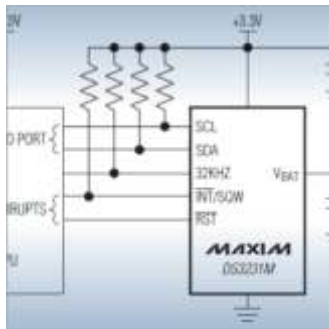
The GS1011M family of fully certified modules offers a quick, easy and cost effective way for device and appliances manufacturers to add Wi-Fi capabilities to their products. Gainspan were the first to optimize power consumption of Wi-Fi chips and apply advanced power management techniques to target long (years) battery life applications.

The GS1011M is an ideal solution for organizations with limited or no Wi-Fi or RF expertise, as it not only dramatically reduces RF design time but also removes the burden of testing and certification, allowing customers to focus on their core application, product or expertise. The module supports data rates up to 11 Mbps, is compliant with 802.11b and meets regulatory and Wi-Fi Alliance requirements.

Why not add a Gainspan module to your solution and enable your products connections to the two billion WiFi enabled devices in the world today?

Read more at [Gainspan](#)

Industry's First Temperature-Compensated RTC with Internal MEMS Resonator Reduces Crystal Mechanical Failure Susceptibility



The DS3231M is a low-cost, extremely accurate, I²C real-time clock (RTC). The device incorporates a battery input and maintains accurate timekeeping when main power to the device is interrupted. The integration of the microelectromechanical systems (MEMS) resonator enhances the long-term accuracy of the device and reduces the piece-part count in a manufacturing line. The DS3231M is available in the same footprint as the popular DS3231 RTC.

Read more at [Maxim](#)

APPLICATION NOTES

Simple Circuit Charges Lead-Acid Batteries

[Read more here.](#)

A flyback converter implements a current-limited power supply to charge lead-acid batteries. The MAX668 PPM controller limits the output current, and the flyback transformer provides isolation and flexibility for input voltages both above and below the battery voltage. The MAX4375 current-sense amplifier monitors the charging current and uses its internal comparator that below a designed threshold the flyback converter can switch to a lower charging voltage for trickle-charge mode.



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