

Add plug-and-go WIRELESS to remote monitoring & rural internet application



GSM1308 is a certified quad-band integrated platform that enables simple integration through a serial or USB connection. Available with GSM/GPRS and EDGE capabilities, the GSM1308 also lets you address multiple markets and geographies with a single design. The included modem-management software supports Windows® XP, Professional 2000 and 98SE on select models. The GSM1308 can be used as a stand-alone serial device with other vertical applications. Enfora's GSM/GPRS SA-G+ provides maximum versatility in a single affordable device with 2 User Definable Inputs/Outputs (I/O) and 1

user definable output.

The GSM/GPRS GSM1308 modem can utilise input power ranging from 6 VDC to 40 VDC. The device operates at the 850/900/1800 and 1900 Mhz frequency bands.

Read more at [Enfora](#)

Wireless module tailored to your data communications



The DS1990R Serial Number iButton® is a rugged data carrier that serves as an electronic registration number for automatic identification. Data is transferred serially through the 1-Wire® protocol, which requires only a single data lead and a ground return.

Every DS1990R is factory lasered with a guaranteed unique 64-bit registration number that allows for absolute traceability. The durable stainless-steel iButton package is highly resistant to environmental hazards such as dirt, moisture, and shock. Its compact coin-shaped profile is

self-aligning with mating receptacles, allowing the DS1990R to be used easily by human operators.

Accessories permit the DS1990R iButton to be mounted on almost any object, including containers, pallets, and bags. The DS1990R is a fully compatible variant of the DS1990A. In applications where a presence pulse on contact is critical the DS1990R should be preferred over the DS1990A.

Read more at [Maxim](#)

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i-Button TSL Socket with bi-colour LED



The iButton Touch Socket provides the electrical contact for the transfer of data to and from the DALLAS family of iButtons.

The outer rim provides a self-lining interface that matches the metal can package of the iButton, while contact with the inner face of the iButton (Data) is made through the contact in the centre of the socket.

The contacts have no moving parts, making the socket a rugged interface for harsh outdoor and indoor environments. The socket is available with one of 2 types of led's. A bicolour led allows the user to

select either the red or green by swapping the polarity of the led wires. The multi colour led model has the common cathode of the led internally connected to ground, with separate wires for each of the red and green led's. By switching both led's on, an orange colour is obtained.

For more info please email: sales@cstelectronics.co.za
or call: (011) **608 0070**

New EM300 Series first ZigBee system-on-chips (SoCs)



Ember, a leader in wireless networking technology, unveiled the

EM300 Series, its next-generation ZigBee chip family that packs the industry's highest wireless networking performance and application code space into the lowest power-consuming chip set. Thanks to its unmatched performance, high code density and power efficiency, the EM300 family will be a boon to developers seeking to build sophisticated products for smart energy and home area networks (HANs) as well as home and building automation. It offers ZigBee developers a combination of a popular ARM® microprocessor, a powerful IEEE 802.15.4 radio and larger memory for increasingly demanding sensor network applications.

The new EM300 Series products include:

EM351 – integrates an ARM Cortex-M3 processor, 2.4 GHz IEEE 802.15.4 RF transceiver, 128 KB Flash, 12 KB RAM and EmberZNet PRO network protocol stack supporting the ZigBee PRO Feature Set

EM357 – specifically optimized for more sophisticated applications that require additional memory, it has 192 KB Flash while incorporating all the other characteristics and features of the EM351.

Read more at [Ember](#)



ADC Input Translator ...

[Read more here.](#)



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