

NEW PRODUCTS

- HARDWARE
- SOFTWARE
- GADGETS
- TOOLS

CELLULAR REMOTE TEMP MONITORING KIT

Anaren, Inc.'s, Wireless Group has announced the official launch of its Cellular Machines product line, which sends real time sensor data over a cellular network



where it can be received on mobile devices, or reviewed on desktops via a cloud server. Comprised of easy-to-install hardware and a monthly cellular access/monitoring service (as low as \$14.99/month), the first mass-market Cellular Machines offering from Anaren is a standard Temperature Monitoring Kit for monitoring refrigerated assets in food service, health care, and walk-in/reach-in applications such as warehouses and supermarkets. Operated on the Verizon Wireless Network and introduced in December 2014 in synch with Verizon's ongoing regional roll-out strategy, the Cellular Machines product family is one of several initiatives Anaren has embarked upon to leverage its formidable wireless experience in the exploding Internet of Things (IoT) space. Future iterations of the system will monitor other environmental factors (e.g., light, moisture, vibration, pH, power quality, among others).

According to Mark Bowyer, Anaren's Director of Wireless Business Development, the Cellular Machines system has a battery backup and runs on the most reliable communications infrastructure there is. "There's a reason first-responders, municipalities, and consumers use their cell phones during power outages and disasters."

The Cellular Machines product line began as a private

company based in Austin, TX. Founded in 2010 by Gerry Cullen, who continues to provide technical and R&D expertise in support of the product line, Cellular Machines – the company – was a user of Anaren's recently introduced Anaren Integrated Radio (AIR) modules.

For its part, Verizon Wireless likewise sees potential in the IoT (a.k.a., machine-to-machine) space and particularly Anaren's Cellular Machines unique value proposition of providing end-customers with a GOOBE (Great Out Of the Box Experience) of a complete remote monitoring solution.

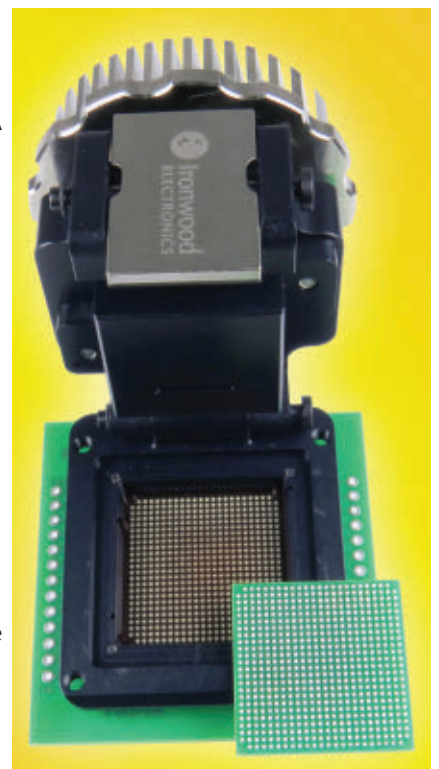
In addition to marketing its Cellular Machines product line through the Verizon Network, Anaren will also be marketing the system directly to customers via its first-ever online storefront; on a case-by-case basis, the company will also be negotiating volume and/or enterprise orders (via national accounts management arrangements), and select OEM opportunities.

For more information, contact:
Anaren, Inc.
Web: www.anaren.com/cellularmachines

75 GHz CLAM SHELL BGA SOCKET WITH HEAT SINK LID

Ironwood Electronics has introduced a new BGA socket design using high performance elastomer capable of 75 GHz, very low inductance, and wide temperature applications.

The GT-BGA-2019 socket is



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designed for a 25x25 mm package size, and operates at bandwidths up to 75 GHz with less than 1 dB of insertion loss. The socket is designed to dissipate seven watts using a compression screw with heatsink fins, and can be customized up to 100 watts with a modified fin design on top of the screw, and by adding an axial flow fan. The contact resistance is typically 30 milliohms per pin.

The socket is mounted on the target printed circuit board (PCB) with no soldering, and uses very small real estate allowing capacitors/resistors to be placed close by. Other passive components can be placed on the back side of PCB by creating custom cutouts in the stiffener plate. The socket is constructed with a clamshell lid which incorporates a quick insertion method so that ICs can be

changed out quickly. To use, place the device inside the socket, close the lid by latching, and apply downward pressure by turning the heatsink compression screw.

The GT-BGA-2019 socket is constructed with high performance and low inductance elastomer contactor. The temperature range is -55°C to +160°C. It works with ICs such as BGA, 25x25 mm with 24x24 array, and 1 mm pitch.

Pricing for the GT-BGA-2019 is \$909 at qty 1, with reduced pricing available depending on quantity required.

For more information, contact:
Ironwood Electronics
 Web: www.ironwoodelectronics.com