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**PANASONIC ANNOUNCES LONG RANGE ADDITIONS TO ITS
SNAP MESH NETWORKING WIRELESS RF MODULE LINE**

**Panasonic PAN4561 and PAN4566 Break New Ground
In Wireless Range And Efficiency**

SECAUCUS, NJ (January 20, 2009) – Panasonic Electronic Components Group, a business unit of Panasonic Industrial Company (PIC), announced today two NEW additions to their line of mesh networking SNAP[®] compatible wireless RF modules. Both the extended range PAN4561 and ultra-long range PAN4566 RF modules will offer one of the best ranges for their respective classes increasing the range of the device up to several thousand feet in optimal conditions.

The Panasonic PAN4561 and PAN4566 are powerful, highly flexible, efficient solutions for a variety of wireless applications including:

- remote monitoring and control of industrial systems
- building / home automation and motor / lighting control
- asset management
- monitoring (environmental, medical patient and fitness)
- residential, commercial and industrial automatic meter reading (AMR)

The PAN4561 is an extended range 2.4 GHz, ISM, mesh networking SNAP[®] compatible RF module which uses the same FreeScale eight-bit GT60 processor found in Panasonic's highly popular standard-range PAN4555 Series making the two RF modules application compatible. The PAN4561 has 55 pins allowing access to the full functionality of the MC13213 SOC. Low noise and power amplifiers have been added to the PAN4561 to deliver extended range. With a maximum transmit power of 20dbm

and receive sensitivity of -105dbm, this RF module offers a link margin of 125dbm – one of the best ranges in its class.

The PAN4566 is a long range, high performance 2.4 GHz, ISM, mesh networking SNAP[®] RF module which employs a FreeScale 32 bit ARM7 processor. The RF front end consists of a power amplifier and low-noise amplifier that delivers the maximum range currently available. With a maximum transmit power of 20dbm programmable over a 30db range and receive sensitivity of -112dbm, this RF module offers a link margin of 132dbm – again, one of the best ranges in its class.

If the extra range were not enough, Panasonic designed the PAN4561 and PAN4566 RF modules to have one of the smallest footprints in their class. These small, flexible, long range modules include microcontrollers, reference oscillators and a complete 802.15.4 physical layer modem, designed for IEEE 802.15.4 wireless standard. Both modules offer three antenna options – ceramic antenna, SMD pad output and a U.F.L connector* (See attached for complete technical specifications**.)

For increased flexibility, all Panasonic RF modules may be purchased with or without network firmware. Several network stacks are also available from Panasonic including an easily implemented AT command stack and highly flexible scripting language available via partnerships with Synapse and E-SENZA.

“Panasonic is an industry leader in developing long range RF modules with footprints twenty to forty percent smaller than our competitors and the introduction of the PAN4561 and PAN4566 truly underscores Panasonic’s drive to lead the industry with cutting edge, best-in-class RF module solutions,” said Richard Trueman, Senior Product Manager, Panasonic Industrial Company. “The 4561 and 4566 mesh networking SNAP[®] RF modules break new ground in range and efficiency and broaden the horizons for a wide variety of industries looking to create wireless solutions in their respective markets.”

For technical specifications on the PAN4561 and PAN 4566 and to learn more about Panasonic's RF modules visit www.panasonic.com/rfmodules.

About Panasonic Industrial Company

Based in Secaucus, NJ, Panasonic Industrial Company is the industrial components and electronic devices division of Panasonic Corporation of North America, the principal North American subsidiary of Panasonic Corporation (NYSE: PC) and the hub of Panasonic's U.S. branding, marketing, sales, service and R & D operations. Information about Panasonic Industrial Company and its products is available at www.panasonic.com/industrial. Panasonic Industrial provides key components that power the home appliances, consumer electronics, computers, communications, commercial and healthcare products used by millions of people each day.

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- * This module complies with EN300328, FCC CFR Part 15 and ARIB STD-T66. FCC and IC certifications are pending.
- ** Specifications are subject to change without notice.
- ® SNAP is a registered trademark of Synapse Wireless Inc.