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Micro Modular Technologies Announces Miniature GPS Receiver Including Integrated Patch Antenna

The MN5020HS is a Smart GPS Antenna Module measuring only 21mm by 27mm

IRVINE, CALIFORNIA – April 21, 2010 – [Micro Modular Technologies](#) (MMT), a leader in low-power, small form-factor GPS receiver modules, announced today the availability of the [MN5020HS](#) Smart [GPS](#) Antenna module. “The MN5020HS greatly simplifies the design process of using a GPS receiver,” said Larry Cleland, VP of Sales and Marketing for MMT. “The most complicated part of designing with a GPS receiver module is the interface between the receiver and the antenna, but since the antenna is integrated with the receiver in the MN5020HS, that difficulty has been eliminated,” explained Cleland.

The MN5020HS is a fully integrated GPS receiver and it includes an 18mm x 18mm patch antenna. It requires only a single 3.3-volt DC power supply and ground connections, no external components are needed. Typical power consumption in active mode is less than 80mW, and the receiver also has user-commanded power saving modes for extra power savings. Hot start [TTFF](#) is less than one second, and [tracking sensitivity](#) is -159dBm. The MN5020HS operates over full industrial temperature range of -40 to +85 degrees C, and measures 21mm x 27mm x 6mm. It also includes a convenient connector for electrical interface.

MMT is also introducing today the [MN5310HS/AHS](#) GPS Receiver module, a fully autonomous GPS receiver that measures 25mm x 25mm, and operates with an external active or passive GPS antenna. It is a pin-compatible replacement for the MN3310 GPS receiver, but it offers better signal sensitivity and lower power consumption than the part it replaces. It is available in two operating temperature ranges of -40 to +85 degrees C for the MN5310HS and -30 to +85 degrees C for the MN5310AHS.

Both the MN5020HS and MN5310HS/AHS are available now through MMT’s worldwide sales network.

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About Micro Modular Technologies

Micro Modular Technologies, with headquarters in Singapore and design centers in Irvine, CA and Singapore, designs and manufactures high-performance modules for the wireless markets. Please see our internet site for more information: <http://www.micro-modular.com>

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