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- Publications
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 Gadgets BREAKING NEWS
 Gadgets TOP 10
 Gadgets MOST POPULAR
 Gadgets EDITOR'S PICK

Gadgets WHITEPAPERS
 Gadgets VIDEOS
 Gadgets WEBINARS
 Gadgets PODCASTS
 Gadgets BLOGS
 Back to TMCnet

NEWS

[March 02, 2011]

Digi International introduces ConnectCore Wi-i.MX53 core processor

Mar 02, 2011 (Datamonitor via COMTEX) -- Digi International has introduced ConnectCore Wi-i.MX53, the second in a series of core processors based on the Freescale Semiconductor i.MX processor family.

The new solutions-on-module enables wired and wireless networking of multimedia products requiring high-end processing power and high-definition video display capabilities. It can connect to the iDigi cloud out of the box, allowing customers to develop cloud-connected wireless multimedia devices.



The ConnectCore Wi-i.MX53 builds on the ConnectCore Wi-i.MX51 module by providing a form factor compatible option with improved processing, memory, video and connectivity capabilities. The ConnectCore i.MX family is scalable and ideal for developing wireless medical devices, security/surveillance equipment, industrial devices and digital signage.

"The ConnectCore Wi-i.MX53 is based on Freescale's most advanced available i.MX processor," said Larry Kraft, senior vice president of global sales and marketing, Digi International. "The combination of module and iDigi cloud computing service allows customers to focus on their core business and develop high-performance connected products quickly." The ConnectCore Wi-i.MX53 is a 32-bit module

featuring the high-performance Freescale i.MX53 ARM Cortex A8 processor at up to 1 GHz. The module features dual 10/100 Mbit Ethernet options, dual-CAN bus, pre-certified 150 Mbps 802.11a/b/g/n Wi-Fi, and optional Bluetooth 4.0 connectivity with Health Device Profile (HDP) support. Pre-certification eliminates the need to certify wireless products which can be costly and time consuming.

It also offers an integrated power management IC, 1080p/720p video decoding/encoding, 2D/3D hardware acceleration, dual display/camera capabilities, industrial temperature variants, accelerometer and Digi XBee ZigBee connectivity options.

The ConnectCore Wi-i.MX53 is iDigi ready. iDigi is ready-to-use cloud computing platform for Machine-to-Machine network management. It enables secure remote access, control and management of network-connected devices and complete cloud-based application development.

The ConnectCore Wi-i.MX53 will offer software platform support for Linux, Android and Windows Embedded Compact 7. Digi's wireless design division, Spectrum Design Solutions, is also offering custom design services for Freescale's i.MX53 application processor.

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