



SMX RTOS Information

Coressent Technology Inc.

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Micro Digital Announces WiFi Direct™ and SoftAP for smxWiFi™

PRESS ANNOUNCEMENT FOR IMMEDIATE RELEASE

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Costa Mesa, California, June 12, 2013 — Micro Digital is pleased to announce WiFi Direct™ and SoftAP for smxWiFi™. These allow easy, direct connection among WiFi devices, anywhere. There is no need for an Access Point. Through negotiation, one device becomes the Group Owner and the other the client. Connection is designed to be quick and easy, often with just the push of a button. WiFi Direct and SoftAP do not require addition of new hardware, allowing existing smxWiFi users to add them to their products with just a software update. Similarly, for new projects, users can rest assured that these capabilities are available if they should be needed in the future.

WiFi Direct (P2P) is a protocol designed to replace the legacy ad-hoc (IBSS) protocol for interconnecting WiFi devices. Improvements over ad-hoc include easier connection and the latest security, WPA2. WiFi Direct was designed to satisfy the growing need for dynamic connections among groups of electronics. It allows OEMs to create products that can interoperate with each other and with common consumer devices, such as smart phones, tablets, cameras, and printers. As with any WiFi device, the range is up to 200 meters, making connection convenient even when devices are not in immediate proximity to one another.

SoftAP gives a device limited Access Point capabilities. When combined with WiFi Direct, it allows the device to be the Group Owner. Without it, a device can participate only as a client.

"With the addition of WiFi Direct and SoftAP, it is possible for embedded devices to connect with consumer devices via temporary wireless networks for control and to transfer data and multi-media," said Yingbo Hu, lead developer of WiFi Direct and SoftAP for smxWiFi. "These make it possible for our customers to implement new and exciting features in their products," he added.

For more information about WiFi Direct and SoftAP, please see www.smxtos.com/wifidirap.htm.

Availability and Licensing

WiFi Direct and SoftAP for smxWiFi are available immediately. Standard license fee is \$7000 for WiFi Direct and \$5000 for SoftAP, plus the smxWiFi, smxUSBH, and smxNS license fees. It includes full source code, 90 days of technical support, and no per-seat charges. All of Micro Digital's software is royalty free and is sold with a 30-day money-back guarantee.

About smxWiFi

smxWiFi is a mature WiFi 802.11 MAC stack that allows adding WiFi connectivity to embedded devices. In addition to the core stack, it offers Personal and Enterprise WPA2 security and optional features, such as WiFi Protected Setup (WPS), WiFi Direct (P2P), and SoftAP. Drivers for all Ralink USB chipsets are available. It is fully integrated with smx, smxNS, and smxUSBH. For more information, see the smxWiFi datasheet at www.smxtos.com/rtos/tcpip/smxfi.htm.

About Micro Digital

Micro Digital, Inc. has been in the embedded systems business for 37 years and has been producing and selling embedded software products for over 20 years. Micro Digital is dedicated to providing quality products and support for embedded systems at moderate prices. We may be contacted at 1-800-366-2491 or sales@smxtos.com.

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