

## Wireless Communications and Control System on Chip for Industrial Automation Applications

Rabbit, a Digi International brand, introduces the Rabbit 6000, the industry's first embedded wireless communications and control System on Chip (SoC) suited for industrial automation applications. The Rabbit 6000 combines wireless communications and an industrial control feature set on a single chip to reduce the time to market of network-enabled industrial devices. Rabbit will release versions of its popular MiniCore series of easy-to-use, ultra-compact, low-profile, low-cost networking modules based on this new processor. The Rabbit 6000 features integrated 10/100 Base-T Ethernet and secure 802.11a/b/g with WPA2 support for the highest levels of security. It also offers an industrial control feature set that includes Pulse Width Modulation (PWM), Pulse Position Modulation (PPM) and Quadrature decoder outputs for efficient industrial motor control, and an on board analog-to-digital (A/D) converter with 12-bit resolution to enable measurement of sensor data such as water, temperature and humidity. It also features USB 2.0 full-speed host and two on-board Flexible Interface Modules (FIMs) that enable further protocol support such as CANbus, Secure Digital (SD) and Secure Digital Input Output (SDIO). Digi will introduce pin-compatible and interchangeable wired and wireless MiniCore modules based on the Rabbit 6000.,

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