



Rabbit: wireless communications and control SOC for industrial automation

Rabbit introduces the Rabbit 6000 embedded wireless communications and control System on Chip. The Rabbit 6000 combines wireless communications and an industrial control feature set on a single chip. The Rabbit 6000 features integrated 10/100 Base-T Ethernet and secure 802.11 a/b/g with WPA2 support for the highest levels of security. It also offers an industrial control feature set that includes PWM, PPM and Quadrature decoder outputs for efficient industrial motor control, and an on board analog-to-digital converter with 12-bit resolution to enable measurement of sensor data such as water, temperature and humidity. It features USB 2.0 full-speed host and two on-board Flexible Interface Modules that enable further protocol support such as CANbus, Secure Digital and SDIO.

Digi will introduce pin-compatible and interchangeable wired and wireless MiniCore modules based on the Rabbit 6000. The MiniCore family provides a rich embedded feature set on an ultra-compact mini PCI Express form factor.