

Talon Capabilities

- Embedded Product Development and Manufacturing for Government, Industrial, Consumer and Medical
- Company owned Products - "Rugala © " Wireless Platform
- Low Power radios (ZigBee, 802.15.4 and proprietary)
- Broadcast Quality Video (H.264, MPEG-2)
- Energy Appliances (ZigBee, proprietary)
- Power Line Communications
- Talon offers one-stop quick turn RF, electrical, firmware and mechanical prototypes
- Low to High volume production
- ZigBee, 802.15.4 and proprietary Low Power Wireless experts
- On location RF room, custom antenna design & manufacture

ZigBee, 802.15.4 and proprietary ISM

- Turnkey Dev Kits, Eval Modules - OEM
- Body Motion Data Collection - Consumer
- Proximity Marketing Device - Consumer
- Inkjet Printer Sensor - Production line tool
- Differential Pressure Sensor - Industrial
- Talon Micro Flex Module - General Purpose
- Credit Card Sized ZigBee - Consumer

MEMBER



PARTNERS



7795 Arjons Drive
Suite 201
San Diego, CA 92126

www.taloncom.com



Battery Powered Radios



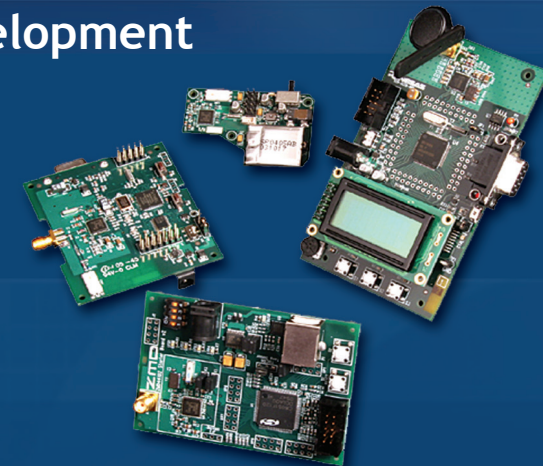
Sensor Networks

ZigBee™

Body Area Networks

Antenna Design & Tuning

Medical, OEM, Military and Consumer Product Development

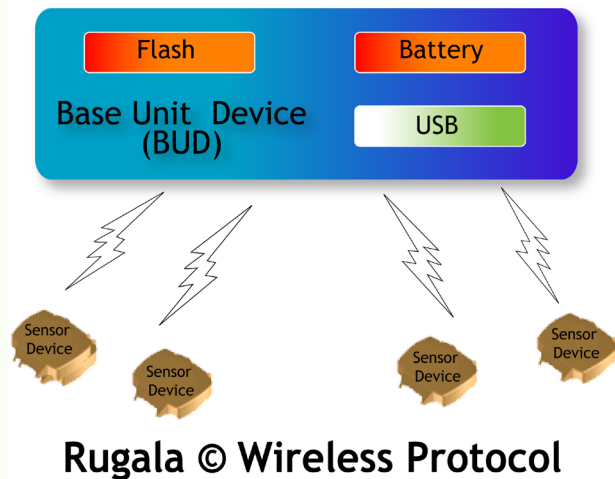




Talon Software

A short range wireless communications stack optimized for high data rate battery powered devices

- Battery powered Base Unit Device collects data from battery operated sensors for later USB upload to host
- ISM proprietary radios with higher throughput than ZigBee or 802.15.4 allowing faster sample rate
- Ideal solution for medical personal health monitoring, sports, gaming, any PAN/BAN with continuous sensing
- Talon developed time slice radio protocol optimizes battery life/size for Base Unit and many sensor devices



Typical data collection application: Battery based aggregator with USB for future post processing. Up to 2 Mbps ISM band radio.

Talon Wireless Products

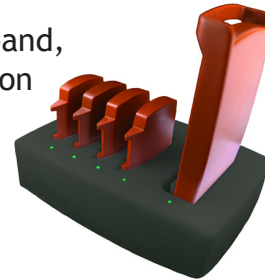
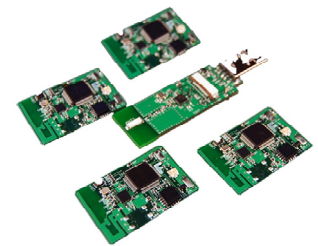
Remote display

Wireless remote display, updates automatically upon sensing an access point. Provides 1 year of personalized messages on a single coin cell battery.



Rugala ©

Complete battery powered, ISM band, data collection platform.



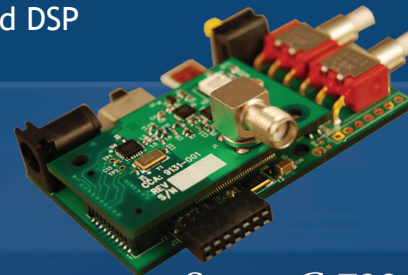
Why Choose Talon ?

Talon Offers

- Rapid prototype and application development - typically 6-8 weeks to proto devices
- 25-year history of product design excellence
- A broad range of product development from consumer to medical to military
- Emphasis on project management including risk assessment and mitigation
- Complete project documentation to ensure technology transfer upon delivery
- Manufacturing from low volume pilot runs; to high volume at our San Diego/Tijuana CM

Technical Focus

- Low power wireless systems design
- ZigBee, 802.15.4 or proprietary ISM
- H.264, MPEG-2 and Set Top Box
- Communications and DSP
- Military Systems
- Sensor Networks
- Embedded Systems
- Medical Devices



Secure G.729 1W Radio



Smart Energy Appliance