

Talon EnOcean IoT Expansion for Sierra mangOH/FX30

EnOcean Gateway: Self Powered IoT Sensors



EnOcean IoT Expansion

The mangOH EnOcean Expansion Board brings Self Powered Sensor connectivity to the Sierra Wireless mangOH IoT platform in a small QSFP+ form factor. The Talon EnOcean extender offers easy integration into the mangOH and FX30 platforms and is targeted as a simple, flexible, and low-cost expansion solution. A variety of EnOcean sensor devices can easily be connected to mangOH/FX30 platform. Talon's EnOcean Expansion Board includes options for built in Chip antenna or u.fl connector for FX30 applications. FX30 kit includes FX30 Faceplate and u.fl to SMA cable.

Development Environment

The Sierra mangOH™ IoT platform is based on Legato open source Linux which is designed to simplify embedded IoT development.

Legato has everything you need to connect the IoT quickly:

- Programming language APIs – dev tools and APIs to easily write software components and specify how apps will use them.
- Target runtime environment – set of daemon processes cooperatively implement execution sandboxes, secure IPC, fault monitoring.
- Development and build tools – target, host, and build tools to create apps ready for deployment to your devices.
- Documentation and automated tests – documentation and automated tests ready to use.

Applications

With the intuitive suite of EnOcean development tools it is a straightforward process to create code to receive sensor data and act as a Gateway Controller or Repeater. Easily connect mangOH or FX30 to a wide variety of EnOcean batteryless devices including:

- Light Switches
- Temperature & Humidity Sensors
- Occupancy and Motion Detection
- Key Card Switch
- Load Controllers – 16A 10V for fans, pumps etc.
- Magnetic Contact Switches

Battery-free
by EnOcean



EnOcean IoT Module Features

Features

- 902 MHz North America Version
- 868 MHz European Version
- Certifications include: FCC, IC, CE/RED, ARIB
- EnOcean Alliance (ISO/IEC 14543-3-1X)
- On board Chip Antenna or u.fl coax connector
- 125Kbps OTA Data Rate
- Active Current 25mA, Sleep 50uA
- Simple UART Interface

Physical

- 45.0mm x 22.3mm x 1.0mm QSFP+ form factor
- -40°C to +85°C Operation
- +3.3v or +5.0v Operation
- RoHS Compliant

For more information please contact:
Email: sales@taloncom.com