

OUTCOME DRIVEN INNOVATION

RF IoT/MESH Long Range Modules

Wireless Modules for OEM Development for IoT Applications

Several long range wireless modules are now available for OEM development. These modules can be incorporated as part of a Star, MESH or Hybrid wireless system for IoT applications. The modules are FCC and CE certified and can be adjusted from 10dbm to 30dbm power. Antenna selection can boost this by up to 6dbm, corresponding to line of sight distances from 0.5km to 5km. The modules come with on-board capability to directly link virtually any sensor through serial or SPI interfaces. Modules operate at low battery power and have settable periodic wake up built into the system.

Applications:

- Long range landscape control
- Building management and sensor control and monitoring
- Trailcam image data link
- Security
- Home monitoring and controls
- Drones



Selected Specifications:

- Frequencies:
 - 915MHz.
 - 868MHz for EU.
 - LORA
 - 316, 390, 430MHz
 - 2.4GHz
 - 5GHz
- Power: Varies with dbm. Typical 100mw to 1W.
- Interfaces: I²C or SPI
- Certs: FCC, CE

WHO WE ARE

Transforming ideas into products. Since 1993, ODI has done just that for client companies.

From initial sketch, to prototype, to final shipping product, our team is your virtual product development team.

What can we make for you?

ODI designed products have received twelve Design & Engineering Innovations Awards from International CES since 2008.

