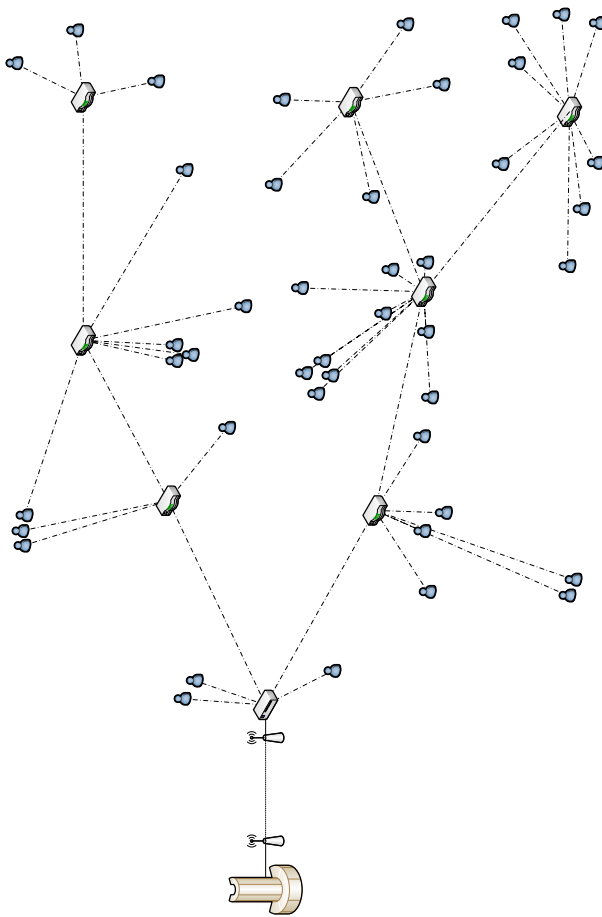


# Introducing MLink Wireless Network Extender

## The Future of Wireless Telemetry



**Extended Range:** Up to 100 km range with multiple Network Extenders.

**Energy Efficient:** Sunshine powered.

**Two Way Communication:** On demand polling

**Flexible:** Installs in minutes. Supports up to 100 endpoints. Configure your network from your host interface.

**Small Size:** Can be installed almost anywhere.

**Integrated GPS standard:** Convenient for fixed installations, powerful for mobile applications.

**MLink** Network Extender is a powerful and convenient extension to Aurora Wireless Network's ultra energy and cost efficient, long range wireless network. Available off the shelf or as a customized product, MLink is perfect for a wide range of next generation products.



# MLink Wireless Network Extender

## Specification Summary

### Performance

- Sensitivity Typically -121 dBm (1.2 kbps at  $10^{-3}$  BER)
- Output Power Dynamically adapted from +9 to +29 dBm
- Data Rate Dynamically adapted from 1.2 – 76.8 kbps
- Frequency Range 902 – 928 MHz (US/Can)  
915 – 928 MHz (AU/NZ)  
863 – 868 MHz (Europe)
- Supply rechargeable lithium battery
- Dark Day Operation Up to 2 weeks

### Size & Weight

- Network Extender Size: 65 (L) x 10 cm (D)
- Weight: <2 kg.
- Solar Panel Size: 34 x 21 cm (+mount)
- Weight: <1 kg (+mount)

### Design Support

Aurora Wireless Networks provides ultra energy efficient, cost effective, long range radio solutions. Clients in a variety of industries can benefit from MLink's flexibility to interface with a multitude of different sensors while covering the distance. Aurora Wireless Network's experienced team can provide customization of MLink to your specific requirements.

### Environmental

- Operating Temperature -50 to +65 C
- Storage Temperature -50 to +65 C
- Operating Relative Humidity 0 to 90% non-condensing

### Regulatory

- Emissions: FCC, IC (modular grant)  
ACMA, RCM (Australia/ NZ)  
ETSI (anticipated)



## About Aurora Wireless Networks

Aurora Wireless Networks helps clients develop and deploy the most energy efficient, long range, license free, wireless data networks on the planet. Whether part of the Internet of Things revolution or Industrial Telemetry, we offer the hardware and software building blocks, technical expertise, and support necessary to rapidly turn your ideas into reliable, cost effective, products.

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