

XTension Radio

Satellite Data Collection Expansion Enclosure

Description:

The **XTension** series of line of sight wireless radio units provide a remote data sensing link for battery powered systems when not feasible to utilize cables. Designed to be SDI-12 compatible, the **XTension** radios effectively create a wireless SDI-12 link between the base station and one or more remote sensors.

While primarily designed to work with Microcom's **XPort** series of environmental data collection systems, the **XTension** link can be utilized with any DCP that has a SDI-12 interface.



This *XTension* radios utilizes low power frequency hopping spread spectrum 900 MHz ISM radios. The base station is powered via the SDI-12 bus while the remote radios have internal user replaceable batteries.

These long range radios are housed in weather resistant enclosures and can withstand most harsh weather environments.

The XTension uses a self-configuring star network topology. In order to save battery power the remote sensors will shut down their radio link until next measurement cycle.

Connections:

- The base station connects to the DCP via SDI-12
- Three-12 bit analog
- Two-16 bit counters

Specifications:

| Color: | Grey |
|-------------------|--------------------|
| Weight: | 1 Lb. |
| Dimensions: | 5" L x 5" W x 3" D |
| Enclosure Rating: | NEMA 4X |
| Range: | 500 meters |
| Power: | 1 1000mW |
| | |

Features:

- Up to 9 radios
- Simple easy to use pipe clamp mounting bracket



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