

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.

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



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.