

## The simplified remote monitoring solution

The X Series is a cost effective and versatile solution designed to simplify remote monitoring. With two digital inputs, one analog input and SDI-12, it streamlines processes, reducing redundancy for various monitoring needs, including flow metering, tank or silo level monitoring, and soil moisture monitoring. Whether you opt for solar or mains power, its adaptability ensures peak performance in any environment. Connect to the Halo Dashboard for complete visibility, making the X Series a standalone device that's easy to manage and monitor. Experience effortless remote monitoring with the X Series.

### X Series Components

- Cellular modem (Cat-M1 LTE, NBIoT)
- Solar charge controller
- Dual 18650 cells
- NRF52840 CPU
- 1x 4-20 mA analogue input
- 2x 3-30 V DC digital inputs
- 1x boost regulator (12/24 V selectable voltage)
- 1x SDI-12 bus (uses boost regulator in 12 V mode)
- FLASH storage



### Remote monitoring made simple

Built with a focus on streamlining processes and reducing redundancy, the X Series is a cost effective solution boasting two digital inputs, one analog input and SDI-12, providing a robust and versatile solution to meet a range of monitoring needs, including flow meter, tank level, silo level and soil moisture monitoring.

### Solar / mains power

Utilise either solar or mains power options, providing a versatile choice for a wide range of environments and performance wherever it is deployed.

### Remote visibility

Simply connect your X Series to the Halo Dashboard, enabling full visibility of your system in action.

### Supporting Configs

The following configurations are supported by the standard monitoring application for the X Series.

Input	Supported Peripherals
DIO	Flow meter pulse count
	Rain bucket pulse count
	Driveway beam sensor
	Pump run
	Pump fault
	Tank high
	Tank low
DI1	Flow meter pulse count
	Rain bucket pulse count
	Driveway beam sensor
	Pump run
	Pump fault
	Tank high
	Tank low
AIO	Level (tank, silo, river, pond etc)
	Temperature (e.g. PT-100 with 4-20 mA transmitter)
	Relative humidity
SDI-12	Soil moisture
	Temperature and relative humidity