

BushLinx® 'Mini +' Data Logger

Solar-powered cellular & radio telemetry, built tough for Australian farms — FireFly compatible

The **BushLinx Mini+ Data Logger** is a compact, solar-powered telemetry unit built to bring sensor data off the paddock and into actionable on-farm intelligence. Connecting via Cellular CAT-M1/NB-IoT or the 915MHz AR-Tech local radio network, the Mini+ links straight into the BushLinx platform alongside other BushLinx data loggers and gateways. With support for up to 20 sensor devices and a flexible mix of SDI-12, RS485 Modbus RTU, pulse/frequency and analogue inputs, the Mini+ is suited to a wide range of on-farm monitoring tasks — from soil moisture and water level to weather and flow. Designed, built and supported in Australia.

KEY FEATURES

- **Dual connectivity** — Cellular CAT-M1/NB-IoT or 915MHz AR-Tech local radio
- **FireFly compatible** for extended local mesh/radio networking
- Solar powered — 9V 3W panel charging a 6V 2200mAh NiMH battery
- Sensor power output up to 200mA at 12V
- Supports up to **20 sensor devices**, 16 sensors per device
- Flexible inputs: SDI-12 / RS485 Modbus RTU, pulse or frequency, analogue 0-5V or 4-20mA
- Configurable logging intervals from 5 minutes to 1 day per device
- Multiple logging modes: averaging, instant read, circular averaging, sum
- Rugged stainless steel weatherproof enclosure
- Designed, built and supported in Australia

TYPICAL APPLICATIONS

- Soil Moisture Monitoring
- Water Level & Tank Monitoring
- Weather Stations
- Irrigation Scheduling
- Flow Monitoring
- Remote Farm Telemetry



TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Connectivity	Cellular CAT-M1 / NB-IoT, 915MHz AR-Tech local radio
Local Network	FireFly compatible
Battery	6V 2200mAh NiMH
Solar Panel	9V 3W
Sensor Power Output	12V, up to 200mA
Data Logging Interval	5 minutes to 1 day per device
Logging Modes	Averaging, instant read, circular averaging, sum
Sensor Device Support	Up to 20 sensor devices, 16 sensors per device
Sensor Connections	1 x SDI-12 / RS485 Modbus RTU bus, 1 x Pulse or Frequency, 1 x Analogue 0-5V or 4-20mA
Compliance	RCM Certified
Origin	Designed, built and supported in Australia
Protection	OUTDOOR RATED

CONNECTIVITY & SENSOR INPUT DETAIL

Cellular & Radio

Connects via long-range Cellular CAT-M1 / NB-IoT for direct-to-cloud telemetry, or 915MHz AR-Tech local radio back to a BushLinx gateway. Also FireFly compatible for extended mesh networking.

Power System

A 9V 3W solar panel keeps the onboard 6V 2200mAh NiMH battery topped up year-round, with sensor power available at 12V up to 200mA.

ORDERING

MODEL	DESCRIPTION
Mini+	BushLinx Mini+ Data Logger, solar powered, Cellular CAT-M1/NB-IoT & 915MHz AR-Tech radio, FireFly compatible

Sensor Inputs

One SDI-12 / RS485 Modbus RTU bus, one pulse or frequency input, and one analogue input (0-5V or 4-20mA) connect a wide range of BushLinx and third-party sensors to a single logger.

Logging Flexibility

Logging intervals are configurable per device from 5 minutes to 1 day, with averaging, instant read, circular averaging or sum modes available.