

'Maxi' Data Logger

Built tough for Australian conditions — the core of your on-farm sensor network

The **BushLinx Maxi Data Logger** is the flagship field unit at the heart of the BushLinx farm monitoring network, built to connect and power a wide range of on-farm sensors and turn raw readings into actionable intelligence. Solar powered with cellular CAT-M1, NB-IoT and 915MHz AR-Tech local radio connectivity, the Maxi is designed, built and supported right here in Australia to handle whatever the paddock throws at it. With support for up to 20 sensors across multiple bus types and an expansion card slot for additional capability, the Maxi is built to scale with your operation as your monitoring needs grow.

KEY FEATURES

- Solar powered — 18V 5W panel with 12V 2200mAh NiMH battery
- Triple connectivity: Cellular CAT-M1, NB-IoT and 915MHz AR-Tech local radio
- Can be configured as a base station — cellular + local radio backhaul
- Supports up to 20 configured devices, 20 sensors per device
- Flexible data logging — slot times from 5 minutes to 1 day per device
- Multiple logging modes — averaging, instant read, circular averaging, sum
- 1 x expansion card slot for Watermark, SDI-12/RS485 or relay control cards
- Rugged stainless enclosure — built for the heat, dust and UV of the Australian farm



TYPICAL APPLICATIONS

Soil Moisture Monitoring	Weather Stations	Tank & Bore Level
Irrigation Control	Pump & Flow Monitoring	Remote Farm Monitoring

TECHNICAL SPECIFICATIONS

PARAMETER		SPECIFICATION	
Connectivity		Cellular CAT-M1, NB-IoT, 915MHz AR-Tech local radio	
Base Station Mode		Cellular + 915MHz AR-Tech local radio	
Battery		12V 2200mAh NiMH	
Solar Panel		18V 5W	
Sensor Power Supply		Battery voltage 10-15V, up to 500mA per bus	
Logging Slot Times		5 minutes to 1 day per device	
Logging Modes		Averaging, instant read, circular averaging, sum	
Device Support		Up to 20 configured devices, 20 sensors per device	
Expansion		1 x expansion card slot	
Protection		Outdoor rated, solar/battery field deployment	
INTERNAL SENSOR I/O		EXPANSION CARDS	DETAIL
SDI-12 Bus (Primary)	1 x	Watermark Card	4 sensors + soil temperature
SDI-12 / RS485 Modbus RTU Bus	1 x	SDI-12 / RS485 Plug Expansion	Additional bus connections
Pulse Input	1 x	Relay Control	Switching & control output
Pulse / Frequency Input	1 x		
Analogue Ports	5 x, each 0-5V / 4-20mA		

Australian made, Australian proven. BushLinx is a product of Integrated Irrigation, Penola, South Australia — designed, built and supported in Australia, purpose-built from 15 years of farmer feedback to suit local conditions and on-farm decision making.

ORDERING

MODEL	DESCRIPTION
Maxi	BushLinx Maxi solar data logger — cellular CAT-M1/NB-IoT + 915MHz AR-Tech local radio, up to 20 devices