

SUTRON XLink 100 Datalogger, Iridium Satellite

Product #:	**XLINK100-IR-1**
USD Price:	Contact Hach

SUTRON’s XLink product family offers a cost-effective Wi-Fi enabled datalogger with data transmission via IRIDIUM® or Cellular. Ideal for use with multiple digital and analog sensors supporting basic or advanced hydrologic or meteorologic monitoring applications. The product comes in two models, the 100 and 500, tailored to fit different application and budget requirements. The XLink 100 and XLink 500 carry over all the great capabilities from its predecessor family (CDMALink, HSPALink, GPRSLink, IridiumLink).

Plug and Play Modem Card
Reduce modem setup time with automatic modem recognition. These modems are field exchangeable, enabling you to easily move from one telemetry type or Service carrier to another and to keep up with fast moving cellular/telecom technologies (e.g., 3G to 4G).

Two-way communication and remote configuration
Reduce time and cost of visiting field station to check, change or download configuration or turn on/off instruments. All datalogger features and configuration options available remotely via cell or Iridium, improving data access, and data retrieval, if transmissions are missed.

Simple and intuitive software
LinkComm software is usable with all Sutron XLink and SatLink 3 dataloggers, and is a common software that reduces training requirements. It allows simple setup over Wi-Fi using a smart phone, tablet or PC. You can also pair with Hydromet Cloud, a web-hosted software, to access and manage real-time data and alerts.

Secure communication
Send encrypted data over secure HTTPS, FTP(S) and password protected Socket (TCP/IP) transmission protocols.

Collect more data more often while in alarm
Reduce transmission costs by sending data more frequently only when data is needed at a faster interval using user definable alarm thresholds and adaptable intervals.

Specifications

Compliance:	CE, FCC, ISED
Connections:	Switch 12 V: 1A, 1 port, overloaded protected
	RS485: 1 port; SDI-12, ModBus, custom communications with Python
	RS232: DB9; terminal interface, User interface, ModBus
	USB Device (MICRO B): 1 port; PC/MAC communication using Sutron’s LinkCOMM
	USB Host (Type A): 1 port; setup, firmware update, log download using a USB flash drive

Digital Outputs:	Number of inputs: 2
	Input type: 0 - 15 V, optional low level input. Status, counter, frequency
	Max input frequency: 10 kHz, optional debouncing, internal pull
	Number of outputs: 1
	Output types: On/off/pulse. Open collector w/100 Ohm limiting resistor. 100 mA, 15 V max
Dimensions:	4.49 in x 6.22 in x 1.61 in (11.4 cm x 15.8 cm x 4.1 cm)
Inputs:	Smart / Digital Sensor
Internal Power Regulator:	No
IP Rating:	IP66 (with NEMA enclosure)
Model:	XLink 100
Modem:	Iridium
Operating Temperature Range:	-40 - +70 °C
Power Consumption:	Voltage: 9-20 VDC; 10-16 VDC for SDI-12 Compliance
	Quiescent: # 2 mA typ @12.5 VDC
Scripting Language:	No
SDI-12 port:	Compliance: V1,3 logger
	Power: 500 mA, short-circuit protected
Supported Telemetry:	Iridium
Weight:	1.1 lbs (0.5 kg)