



# ALLEN-BRADLEY PLC HISTORIAN

## THE EASIEST WAY TO LOG DATA FROM YOUR ALLEN-BRADLEY PLCs

RTA's A-B PLC Historian is the easiest way to log data from A-B PLCs. It is uniquely designed to store data in closed OT networks. The Historian allows control engineers and operators to gather time series logs of data from their A-B PLCs. These data sets allow you to increase efficiency and avoid unnecessary down time.

- Local storage
- No monthly fee
- Full control of your data

### KEY FEATURES

- ✓ Log data directly from A-B PLCs
- ✓ Publish MQTT packets at a definable rate to local/remote broker
- ✓ Store and forward data received during network downtime
- ✓ Stores recently published packets for back-up
- ✓ 128GB of on-board storage
- ✓ Simple browser-based user interface
- ✓ Easy-to-use diagnostics to troubleshoot your application
- ✓ Local storage extraction via USB, FTP or Web download

### GET CONTROL OF YOUR DATA

The Historian operates locally and has no monthly service fees. You own and have full control of your data. Making it the ideal solution for closed control network environments.

The Historian is the perfect solution to start realizing the value of information locked in your controls systems without needing to invest in costly and complex middleware solutions. Monitor KPIs, get data sets for OEE models, monitor predictive maintenance variables or simply get historic reports of your operations. The Historian can also alarm on critical events giving you a vital and holistic set of data to troubleshoot with.

### HOW DOES IT WORK?

It is as simple as plug and play! The Historian automatically discovers available A-B PLCs on your network. The tag discovery feature allows you to view the tags in your PLCs and the data points to include in your logs. This is all done through an on-board browser-based interface. There is no simpler way to discover and log data from your A-B PLCs.

### WHY USE RTA FOR DATA MANAGEMENT SOLUTIONS?

RTA is dedicated to being your protocol partner. When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development and testing.



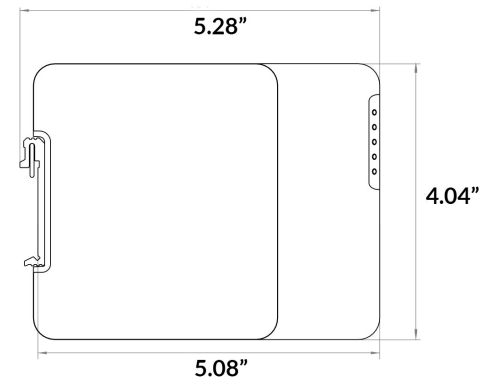
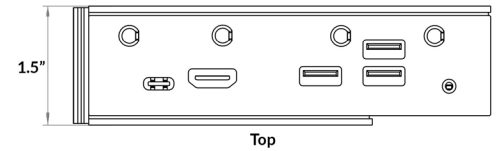
CATALOG #	DESCRIPTION
1848ETC-HST	Data Historian for Allen-Bradley PLCs

ALLEN-BRADLEY PLCs FEATURES	
PLC Support	CompactLogix, ControlLogix, FlexLogix, MicroLogix, SLC, PLC-5E
Number of PLCs Supported	10
PLC Device Discovery	CompactLogix, ControlLogix, FlexLogix
Tag Discovery	CompactLogix, ControlLogix, FlexLogix
Supported Data Types	Usint, Sint, Uint, Int, Idint, Real, String, Bit Array 16, Bit Array 32, Bool, Long

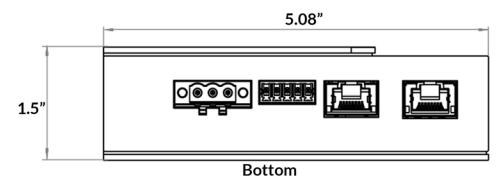
STORE & FORWARD FEATURES	
Functions	Forward MQTT only, forward MQTT and store locally, store locally if MQTT failed
Data Modeling Configuration	Customizable configuration utility to get the communications and data defined how and when you want it
MQTT Timing	Define the forwarding rate and catch up rate when MQTT failed

MQTT FEATURES	
Operation Mode	Generic MQTT
Number of MQTT Connections	10
Publish Topics Supported	1 per MQTT connection
Format Supported	JSON
Publish Rate	Web configurable with definable number of records per publish

ELECTRICAL/ENVIRONMENTAL/CONNECTION	
DC Input Voltage	8 -24 VDC (22W Max)
Device Memory	Up to 128 GB LPDDR4 on CM4
Operating Temperature	-20°C to 60°C (Humidity: 10-95% non-condensing)
Certification	RoHS-compliant, UL, CE approvals
Top I/O Ports	2 USB 2.0 ports, 1 USB 3.2 gen 1 Port, USB-C port (CM4 mgmt) 1 reset button
Bottom I/O Ports	2 1GbE LAN, 3-pin terminal block power 1 RS-232/422/485 5-pin terminal block



ENCLOSURE/HARDWARE	
Size	4.04 x 5.08 x 1.50 in
Weight	13 oz.
Enclosure Type	Aluminum and plastic
Mounting	Din rail
LEDs	Ethernet link/data LED, ethernet speed LED, power LED



FEATURES & FUNCTIONS	
Security	You can configure a username and password
Status and Counters	Protocol specific status, counters and error messages are accessible within the gateway's diagnostics page. They can also be delivered to a connected device.
Diagnostic Logging Page	Allows users to see and log start up sequences, protocol specific messages and error messages.


**ALWAYS IN STOCK**

**READY TO SHIP**

**MADE IN THE USA**

**5-YEAR WARRANTY**

**EXPERT SUPPORT**

**EMPLOYEE OWNED**

**PROTOCOL PARTNER**