

November 20, 2017



CAS-2700-73

Chipkin Azure Gateway - (BACnet IP, Modbus, Veeder-Root TLS, IOT, 1-Wire etc.)

PRODUCT DESCRIPTION

Chipkin™ Azure Gateway is a protocol converter that can read data using various protocols and send the values to Microsoft's Azure. The gateway operates by reading the values from downstream devices using their specific protocol and then stores them in an internal database. The values are then sent to a Microsoft Azure system.

The gateway requires minimal configuration and can be considered a 'plug and play' component of any network system. It's ready to operate 'out of the box' and can be installed without an engineer's approval.



Note: All gateways sold by Chipkin report operating stats and issues to web pages and maintain logs that can be uploaded by HTTP or ftp.

SPECIFICATIONS

The following specifications for the Azure gateway are common to all Chipkin gateways.

- UL and ULc approved
- 10/100BASE-T with RJ-45 connector
- 1x RS232 port
- 1x RS485 port (different models have additional ports)
- Power: 7 – 24 VDC through an external power supply
- Operating temperature: 0 – 70 °C (32 – 158 °F)
- LEDs: link, speed/data, power
- Dimensions (LxWxH): 107 x 83 x 25 mm (4.2 x 3.25 x 1 in.)

MAXIMUM NODES SUPPORTED

This table summarizes the number of panels supported for each protocol node.

GATEWAY NODE	NODES	COMMENTS
Client	500*	* The total number of data points the Gateway can read from downstream devices
Server	1	The Gateway can only make one connection to Azure

CONNECTION INFORMATION

These tables summarize possible connections using the serial ports

PORT 0: RS485 – (EXAMPLES: Modbus RTU)

CONNECTION TYPE	RS485 (JUMPER CHANGE TO RS232)
Baud rates	9600, 19200, 38400 baud
Data Bits	7, 8
Parity	None, Odd, Even
Stop Bits	0, 1, 2
Multidrop capability	Yes

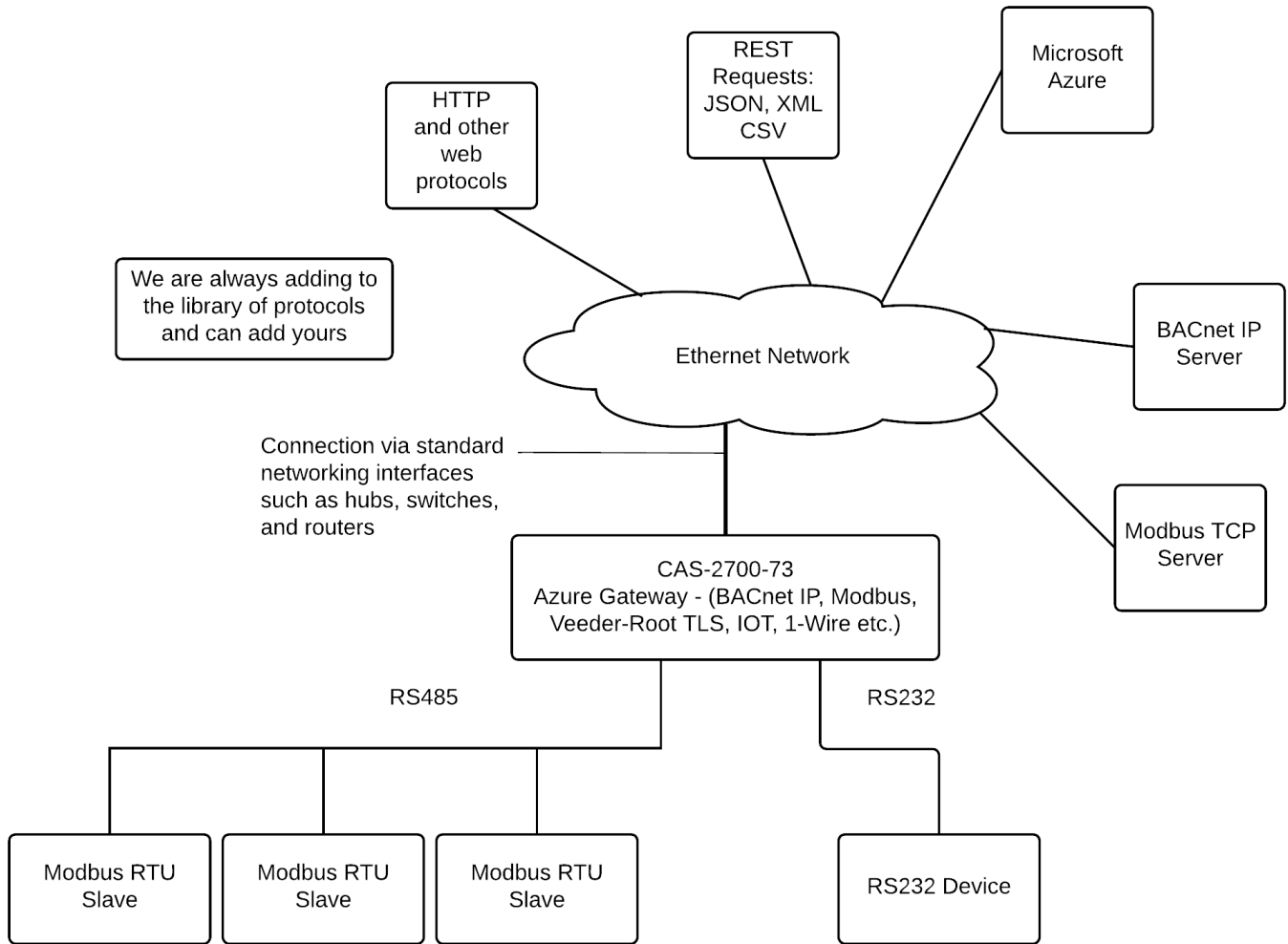
PORT 1: RS232 – (EXAMPLES: Veeder Root or 1-Wire)

CONNECTION TYPE	RS232
Baud rates	9600, 19200, 38400 baud
Data Bits	7, 8
Parity	None, Odd, Even
Stop Bits	0, 1, 2
Multidrop capability	Yes

** Blue represents the gateway's default configuration

CONNECTION CONFIGURATIONS

This block diagram lists common network connections that can monitor data from different protocols and send the data to Azure.



CUSTOMER SUPPORT

CAS-2700-26 Multi-Protocol to Microsoft Azure Gateway was developed by Chipkin, and we are proud to provide support for our products. For technical support, sales and customer service, please call us at 1 (866) 383-1657.

REVISION HISTORY

This table summarizes the update history for this gateway data sheet. Please contact Chipkin by phone or email for an updated version of this document.

DATE	RESP.	DRIVER VERIFIED	DOCUMENT REVISION	COMMENTS
20 Nov 2017	ACF	0.00	0	Document created.

Thanks for choosing Chipkin's protocol gateways, data clients and integration services to meet your building and industrial automation requirements!

Chipkin™ is a building and industrial automation protocol expert. We develop, configure, install and support gateways (protocol converters), data loggers and remote monitor and controlling applications. Founded in October 2000, Chipkin provides expert solutions for converting BACnet®, Modbus®, and Lonworks®—to name just a few—and enabling interfaces for HVAC, fire, siren, intercom, lighting, transportation and fuel systems. The high-quality products we offer (including those from other vendors) interface with Simplex™, Notifier™, McQuay™, GE™ and many others—so you can rest assured that we will select the most appropriate solution for your application.

With Chipkin you are buying a solution. Our configuration expertise in this field combined with free BACnet and other tools ensure your success; and our customer support via phone, email and remote desktop tools means that we're there when you need us. Chipkin is a small responsive company, and we live or die by the quality of our service—and with offices in two time zones—we can provide support when you need it. Give us a call now!

Sales and Customer Service

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