



## CUSTOMER SUCCESS STORY

# Control's DeviceMaster UP provides connectivity between multiple Modbus controllers and production machines

A major American brewing company was in need of a solution for their production facilities that could network multiple production processes together and be able to withstand temperatures in excess of 140° F without failing. Multiple controllers and production machines needed to be seamlessly connected and it had to work flawlessly. After extensive research and testing, the company chose to deploy Control's DeviceMaster UP.

Loaded with the Modbus/TCP firmware, the DeviceMaster UP provides the brewery a flexible, easy-to-use and highly robust solution. Controllers include SCADA systems communicating over Modbus/TCP and PLCs communicating via Modbus/TCP, serial Modbus/RTU or serial Modbus/ASCII. The production machines communicate via ASCII data, Modbus/RTU or Modbus/ASCII. Further complicating the situation, the ASCII data machines need to communicate to each controller independently.

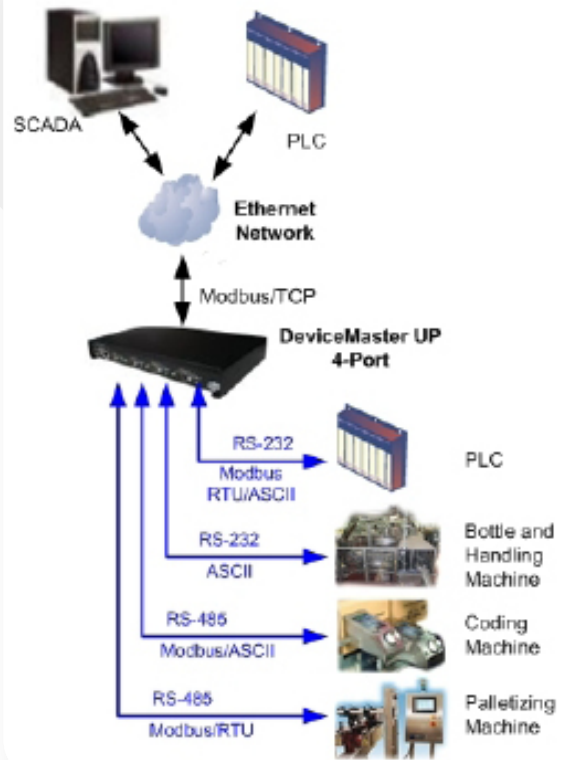
The DeviceMaster UP seamlessly networked the controllers to the production machines. The automatic Modbus protocol conversion functionality enabled multiple Modbus controllers to communicate to the serial Modbus machines. The industry-first command/response mode enabled multiple controllers to independently communicate to the ASCII production machines.

During the production process, every bottle, can, and keg is filled to the exact specifications, marked and coded with a serial number and date of manufacture, and is packaged at the palletizing and shrink wrapping machine. Each production machine's communication statistics and diagnostics are monitored through embedded web pages provided by the DeviceMaster UP, ensuring reliable factory uptime and efficiency. Control's DeviceMaster UP was able to provide superior interface, flexibility, and functionality for the brewery's production plant.

### Why did the brewery choose Control's DeviceMaster UP?

- The DeviceMaster UP withstands operational temperatures in excess of 140° F without failure
- The DeviceMaster UP provides connectivity between a wide variety of Modbus controllers and devices
- The DeviceMaster UP provides the ability to network up to four production machines with one IP address
- Control provides unparalleled technical expertise and engineering support for their products
- Control's DeviceMaster UP provides a superior cost/benefit ratio when compared to competitive product

### DEVICEMASTER UP APPLICATION DIAGRAM



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# DeviceMaster UP

## Industrial Ethernet Gateways

At Control, we believe gateways should be intelligent, robust, and easy to use.

With its web-based configuration, sample PLC programs, and simplified interfaces, the DeviceMaster UP delivers near plug-and-play Industrial connectivity.

The DeviceMaster UP provides innovative EtherNet/IP, Modbus/TCP, and Profinet IO connectivity to a wide variety of devices. It can enable you to quickly connect

PLCs and applications to devices such as **barcode scanners, RFID readers, weigh scales, vision systems, printers, encoders, and fastening systems.**

If you need PLC connectivity and want it done quickly and reliably, the DeviceMaster UP is the solution for you.

### Modbus/TCP Highlights

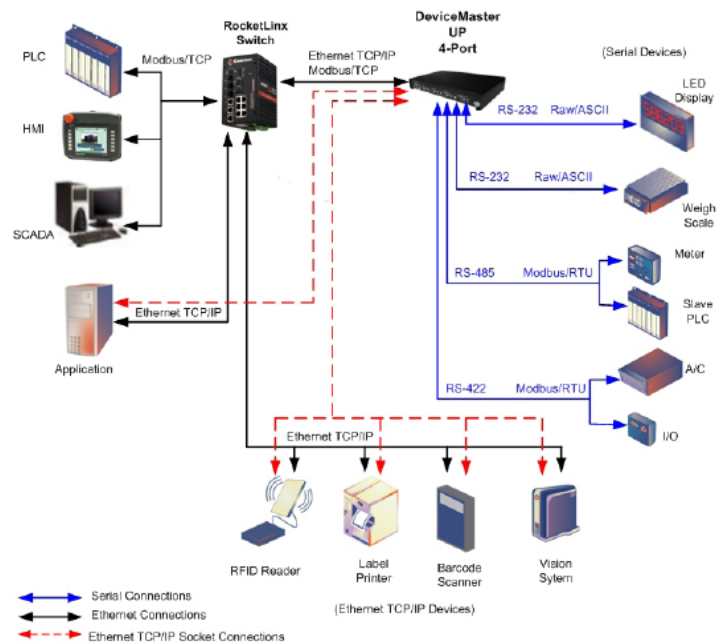
- Up to **64 Modbus/TCP connections** per gateway
- Supports many Modbus/TCP PLCs, HMIs, SCADA systems, and OPC Servers

#### Raw/ASCII to Modbus TCP:

- **True Peer-to-Peer Modbus/TCP messaging** – Both receive and transmit channels on each serial port and Ethernet TCP/IP interface can be independently configured to Master (client) or Slave (server).
- **PLC programming flexibility** – Unmatched by any other gateway

#### Modbus/TCP to Modbus/RTU:

- Up to **247 Modbus/RTU slave devices per gateway**
- **No limit** on number of devices per serial port
- **Automatically locates devices and routes messages**
- Advanced device specific **diagnostic capabilities** via embedded web pages



### PRODUCT SUPPORT & SERVICE INFORMATION

#### Warranty Information

Control offers a 30-day satisfaction guarantee and 5-year limited warranty.

#### Sales Support

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#### Technical Support

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#### Email, FTP, and Web Support

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