



## DISTRIBUTION CENTER ENABLED VIA MODBUS COMMUNICATION

In today's technological age, online shopping is growing in popularity because it offers quick delivery, easy price comparisons, and a wide variety of options—all from the comfort and convenience of home.

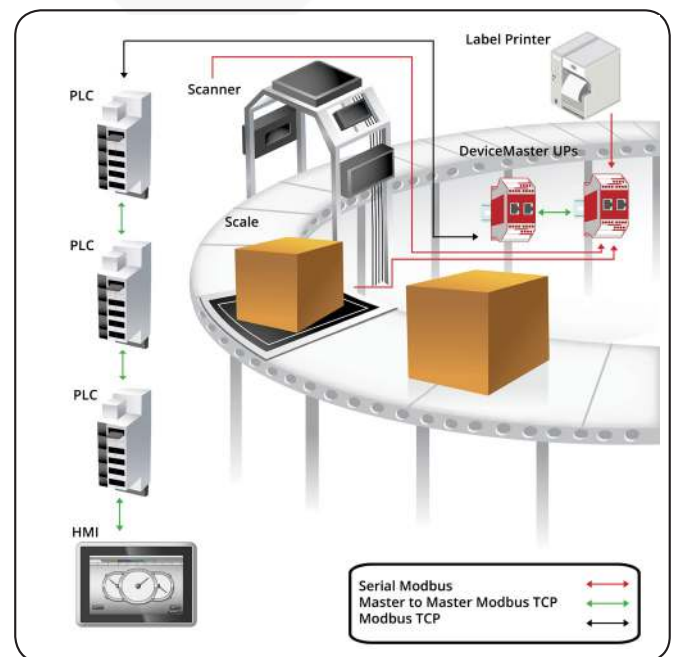
In order to accommodate for this increased demand, one international online retailer was faced with the difficult task of integrating new equipment and capabilities into their Modbus control system. Traditionally, Modbus communication takes place between a master and a slave; the master gives out the command, and the slave answers back with the necessary information: weight, size, temperature, etc. Although many industry experts believed master-to-master communication wasn't possible, Control has discovered a way. With the use of Control's DeviceMaster UP Modbus, equipped with Modbus Router firmware, master-to-master communication is now possible!

Upon hearing about Control's ability to support master-to-master communication, this online retailer began implementing Control's DeviceMaster UP 2-Port 1E Modbus in one of their distribution centers as a trial run. The DeviceMasters support multiple functions within this distribution center, including processes involving scanning, labeling, and printing. Completed orders move down the assembly line and are weighed to ensure the package contains the correct product and quantity. A Kicked Out (KO) label is attached to the box if either the product or quantity doesn't match the weight; packages containing a KO label are then reviewed by a team member before they're placed back on the line to be re-weighed and given the correct shipping label. To ensure the accuracy at each of these steps, master-to-master communication takes place between the individual DeviceMaster's.

Impressed with the improvement in their operations, along with the assistance of Control's control engineers, the large integration project was given the go ahead and is currently being implemented in warehouses located in Europe, North America, and Canada.

The Device Master UP Modbus allows simultaneous connection between both serial and Ethernet devices to PLC's as a result of the DualConnect Plus technology. In addition, the Modbus Router firmware allows 95 Modbus TCP Masters to be connected, and in communication, with the central master. It also contains DIN-rail mounting and screw terminal connections.

Control's DeviceMaster UP 2-Port 1E Modbus is ideal for distribution centers as it is NEMA TS2 certified, operating in temperatures ranging from -37°C. to 74°C. To learn more about master-to-master communication through DeviceMaster UP Modbus, contact Control at [sales@control.com](mailto:sales@control.com).



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# DeviceMaster® UP 2-Port 1E Modbus

Part Number: 99532-6



## KEY FEATURES AND BENEFITS

- DIN-rail mounting and screw terminal power connections
- Highly flexible and unique Modbus functionality
- Multiple Modbus master and slave types
- Raw/ASCII Serial and Ethernet device support
- Variable power input eliminates need for power converters
- Dual Ethernet ports for daisy chaining network connections between multiple units (2E model)
- PortVision® DX monitoring and management software
- RoHS2 compliant under CE

## PRODUCT DESCRIPTION

The DeviceMaster UP has been designed to meet the demands of today's increasingly diverse Modbus installations.

Control has developed three unique Modbus firmware applications that provide a wide range of Modbus connectivity. Simple connections or complex Modbus networks, you can do it all with a DeviceMaster UP.

Highly flexible and robust, the DeviceMaster UP provides connectivity between a vast array of Modbus controllers and devices. Simplified configuration pages, innovative functionality and informative diagnostic information all make for quick and easy set-up of even the most complex Modbus installations.



### 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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