

EFFICIENCY IN ENERGY MANAGEMENT

An energy meter manufacturing company based in Cairo, Egypt discovered that there is an economical solution to the extra time and cost that can be accrued by sending out company personnel to manually read electrical meters and log energy usage from each floor of a commercial building.

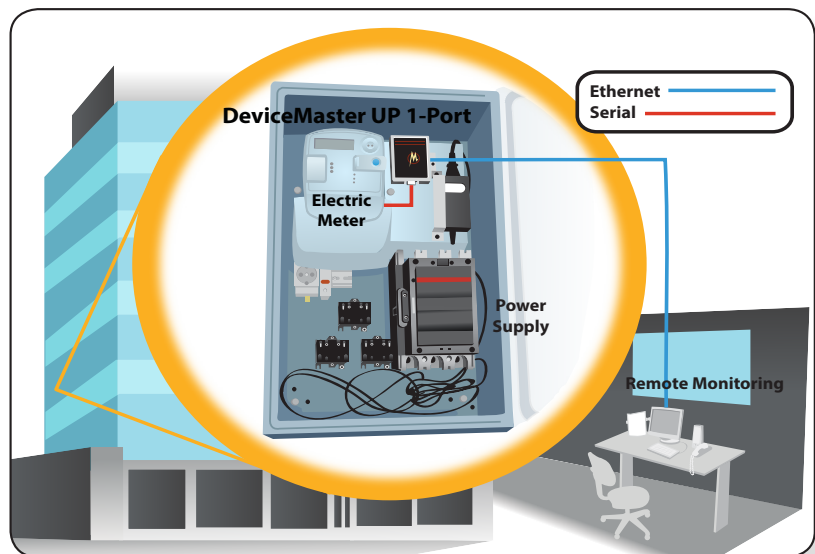
Property management and energy companies can reduce time and expenses by adding a DeviceMaster Ethernet gateway to their physical system configurations as well as a corresponding software program on their networks.

Control's DeviceMaster UP 1-Port has been used by the energy meter manufacturing company to complement its meters and provide as a package to property management companies. The DeviceMaster UP 1-Port has the capability to connect the energy meters together for remote reading and monitoring.

A specific property management company needed to monitor separate tenants' energy usage within a commercial building. On each floor of the building, or for each tenant, an energy meter is installed and connected to a DeviceMaster UP 1-Port via Modbus RTU (serial), which is then connected to the PC or server system which is running the client's property management energy software. The PC is also running PortVision, which is software developed by Control created to monitor meters and to ensure each floor's system is operational. PortVision also detects tampering of the energy meter if it occurs.

If the energy meter manufacturing company chose not to implement Control's DeviceMaster UP 1-Port into its systems, the property management company would have to send personnel out to manually read each meter, which is a labor-intensive task. The DeviceMaster changes all of that, allowing the property management company to remotely retrieve information about meter operation and energy levels to determine system function (or malfunction) and customer billing.

The DeviceMaster UP 1-Port Modbus Ethernet gateway delivers highly flexible and unique Modbus functionality, and has been designed to meet the demands of today's increasingly diverse Modbus installations. Control has developed three distinctive Modbus firmware applications that provide a wide range of Modbus connectivity. The entire DeviceMaster UP product line 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.



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DeviceMaster® UP 1-Port VDC Modbus

Part Number: 99501-2



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
- RoHS2 compliance under CE
- Wide operating temperature (-37° to +74°C) for harsh environments

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.

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