

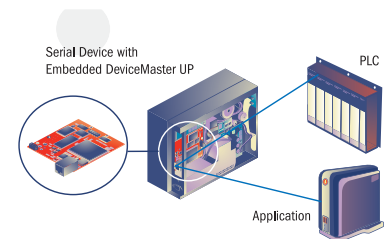
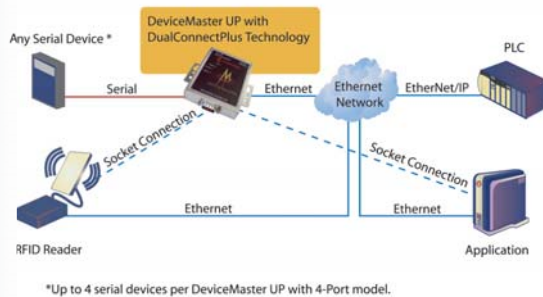
# DEVICEMASTER<sup>®</sup> UP

## Industrial Ethernet Gateways

All your industrial Ethernet communication needs solved in a flash

### HIGHLIGHTS

- DualConnectPlus™ Technology—simultaneously connect both serial and Ethernet devices to PLCs and/or applications. String, RFID, and barcode data filtering eliminates redundant data while extracting the RFID and barcode parameters
- Provide PLC connectivity to standard serial devices with protocol support for EtherNet/IP, PROFINET, and Modbus/TCP
- Supported PLC models—  
Ethernet/IP: Allen Bradley ControlLogix Family, SLC 5/05, PLC-5, MicroLogix  
PROFINET: Siemens ET 400, 300 S7 Modbus/TCP: Modicon Quantum, Premium, Momentum, Compact, Micro, GE Fanuc Rx7i, Rx3i, 90-70, 90-30, Versamax
- Compact and hardened form-factor—wide -37° to 74° C industrial temperature range
- Variable power input eliminates need for power converters
- PortVision® enterprise monitoring and management software—enables user to view status, update firmware and resolve issues remotely
- RoHS Directive 2002/95/EC compliant



## DeviceMaster<sup>®</sup> UP Universal Protocol

Only the DeviceMaster UP industrial Ethernet gateway offers a flashable solution that configures in minutes via the web, allowing you to support major industrial Ethernet PLC protocols – EtherNet/IP, PROFINET, or Modbus/TCP -- on a single platform.

The adaptability of flash-in configuration enables you to upgrade your plant-floor faster and more economically than ever before. The DeviceMaster UP enables you to leverage legacy devices and boost your ROI, while reducing your PLC programming and maintenance costs with simplified PLC interfaces.

## SPECIFICATIONS

### ETHERNET PROTOCOLS

- EtherNet/IP, PROFINET I/O, PROFINET CBA, Modbus/TCP, TCP/IP

### COMMUNICATION MODES

- EtherNet/IP to Serial or Ethernet TCP/IP
- PROFINET to Serial or Ethernet TCP/IP
- Modbus/TCP to Serial or Ethernet TCP/IP
- TCP Sockets
- UDP Sockets

### NETWORK PROTOCOLS

- Telnet, HTTP, SNMP, DHCP, RARP, ARP, BOOTP, Ping

### SERIAL COMMUNICATIONS

- Software-Selectable RS-232/422/485
- Baud Rates 300 to 230.4Kbps
- Data Bits 7 or 8
- Parity Odd, Even, None
- Stop Bits 1 or 2

### FEATURES

- Easy Set-up
- Software-Selectable Serial Port Interface
- PortVision Remote Management Software
- Web or PLC based device interface configuration
- Watchdog Reset

### HARDWARE

- Rugged Steel Housing
- Serial Connectors
  - 1-Port (1) DB9 Male
  - 4-Port (4) DB9 Male
- Ethernet Ports
  - 1-Port (1) 10/100 Base-T
  - 4-Port (2) 10/100 Base-T
- Processor ARM7 44Mhz
- Memory 8MB RAM, 4MB Flash
- Mounting Options Panel/Rack, DIN Rail
- LED Indicators Status, Ethernet Link/Activity, Collision, 100MB Ethernet, RX/TX Per Port

### ELECTRICAL SPECIFICATIONS EMBEDDED

- Power Requirements 5 to 30 VDC
- Power Consumption 2.5 Watts
- Surge Protection 15KV

### ELECTRICAL SPECIFICATIONS 1-PORT

- Device Requirements 5 to 30 VDC
- Device Consumption 2.5 Watts
- External Power Supply (Included)
  - Input 90 to 260 VAC
  - Output 500mA @ 24 VDC
- Surge Protection 15KV

### ELECTRICAL SPECIFICATIONS 4-PORT

- Device Requirements 9 to 30 VDC
- Device Consumption 4.8 Watts
- External Power Supply (Included)
  - Input 90 to 260 VAC
  - Output 500mA @ 24 VDC
- Surge Protection 15KV Per Port

### ENVIRONMENTAL SPECIFICATIONS EMBEDDED

- Operating Temperature -37° to 74°C
- Storage Temperature -40° to 85°C
- Humidity 20% to 80%
- Heat Output 8.5 BTU/Hr
- MTBF 46.2 Years

### ENVIRONMENTAL SPECIFICATIONS 1-PORT

- Operating Temperature -37° to 74°C
- Storage Temperature -40° to 85°C
- Humidity 20% to 80%
- Heat Output 8.5 BTU/Hr
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### ENVIRONMENTAL SPECIFICATIONS 4-PORT

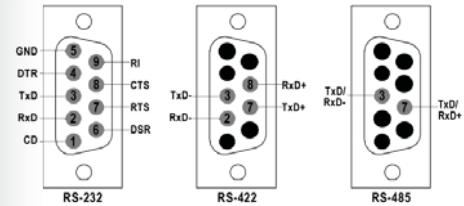
- Operating Temperature -37° to 74°C
- Storage Temperature -40° to 85°C
- Humidity 20% to 80%
- Heat Output 16.4 BTU/Hr
- MTBF 25.0 Years

### REGULATORY APPROVAL MARKS

CE Mark, FCC Part 15 Subpart B Class A, C-Tick, CUL, ODVA Certified, PIC Certified, RoHS Compliant

### REGULATORY STANDARDS

- Immunity: EN55024, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, IEC 1000-4-2, IEC 1000-4-3, IEC 1000-4-4, IEC 1000-4-5, IEC 1000-4-6, IEC 1000-4-8, IEC 1000-4-11
- Emission: EN55022 & A1:2000 IEC 1000-3-2, IEC 1000-3-3, CISPR-22, ICES-003
- Safety: EN60950, IEC 60950, CSA C22.2 No. 50/UL60950



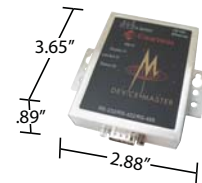
### DeviceMaster UP Embedded Dimensions

Metric (L 8.89 cm x W 6.60 cm)  
IDC10 Header Pins and detailed dimensions available upon request



### DeviceMaster UP 1-Port Dimensions

Metric (L 9.27 cm X W 7.32 cm X H 2.26 cm)



### DeviceMaster UP 4-Port Dimensions

Metric (L 27.23 cm X W 16 cm X H 3.81 cm)



## PRODUCT SUPPORT & SERVICE INFORMATION

### Warranty Information

Control offers a 30-day satisfaction guarantee and 2-year limited warranty.

### Sales Support

+1.763.494.4100  
sales@comtrol.com

### Technical Support

+1.763.494.4100  
www.comtrol.com/support

### Email, FTP, and Web Support

info@comtrol.com  
ftp.comtrol.com  
www.comtrol.com

## DeviceMaster UP Part Numbers

Product Name	Retail Price
<b>99471-8</b> DeviceMaster UP 1-Port Embedded VDC	MSRP \$695
<b>99441-1</b> DeviceMaster UP 1-Port DB9 VDC	MSRP \$695
<b>99447-3</b> DeviceMaster UP 4-Port DB9 VDC	MSRP \$1295