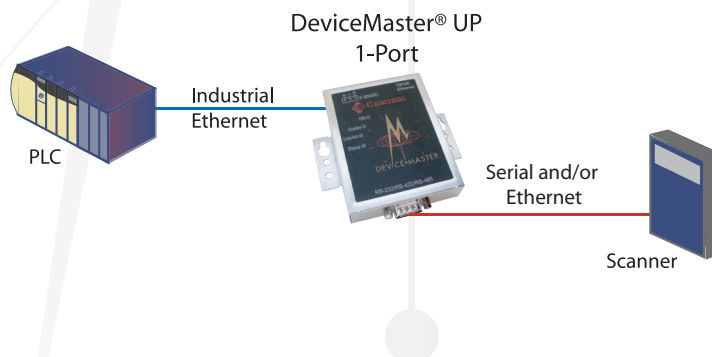# DEVICE·MASTER®
UP

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, Modbus/TCP, Modbus RTU/ASCII, and TCP/IP

- Supported PLC models –
  EtherNet/IP: Allen Bradley ControlLogix Family, SLC 5/05, PLC-5, MicroLogix
  PROFINET: Siemens ET 400, 300 S7
  Modbus: Modicon Quantum, Premium, Momentum, Compact, Micro, GE Fanuc Rx7i, Rx3i, 90-70, 90- 30, Versamax

- Wide - 37° to 74°C Industrial Temperature Range

- Variable power input – eliminates need for power converters

- PortVision® enterprise monitoring and management software

- RoHS Directive 2002/95/EC compliant

- Security Features – SSL & SSH management, SSL serial data stream encryption

Part Number
99441-1

DeviceMaster® UP
1-Port

PLC

Industrial
Ethernet

Serial and/or
Ethernet

Scanner

DeviceMaster® UP 1-Port

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

The DeviceMaster UP provides innovative EtherNet/IP, Modbus, and Profinet IO connectivity to a wide variety of devices. It can enable you to quickly connect **PLCs, SCADA, OPC Servers** and applications to devices such as **barcode scanners, RFID readers, weigh scales, vision systems, printers, encoders, HVAC and sensors**.

With its simplified web-based configuration pages, innovative functionality and informative diagnostic information, the DeviceMaster UP provides the functionality required to make your job easier.

COMTROL®

COMTROL®

HARDWARE

Serial Connectors	(1) DB9 Male
Ethernet Ports	(1) 10/100 BaseT
Processor	ARM7 44Mhz

Memory
    8MB RAM, 4MB Flash

Mounting
    Panel/Rack, DIN Rail

Options
    LED Indicators
        Status, Ethernet Link/Activity, Collision,
        100MB Ethernet, RX/TX Per Port

Housing
    Rugged Steel Construction

ELECTRICAL SPECIFICATIONS

Device Requirements	5 to 30 VDC
Device Consumption	2.5 Watts
External Power Supply	(Included)
Input	
90 to 260 VAC @ 47-63Hz	
Output	500mA @ 24 VDC
Surge Protection	15KV Per Port

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature*	-37° C to 74°C
Storage Temperature	40°C to 85°C
Humidity (NonCondensing)	
System On	20% to 80%
System Off	8% to 80%
Altitude	0 to 10,000 Ft
Heat Output	8.5 BTU/Hr
Mean time between failures	46.2 Years

SERIAL COMMUNICATIONS

Software Selectable	RS-232/422/485
Baud Rates	50 to 230 Kbps
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2

COMMUNICATION MODES

EtherNet/IP to Serial
PROFINET IO to Serial
Modbus/TCP to Serial
TCP Sockets
UDP Sockets

NETWORK PROTOCOLS

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

INDUSTRIAL ETHERNET PROTOCOLS

EtherNet/IP, PROFINET I/O, PROFINET CbA, Modbus/TCP, TCP/IP

REGULATORY APPROVAL MARKS

FCC Part 15 Subpart B Class A, ODVA Certified, PIC Certified

RoHS CE FC c UL us

REGULATORY STANDARDS

Immunity
    EN55024, EN6100042, EN6100043,
    EN6100044, EN6100045, EN6100046,
    EN6100048, EN61000411, IEC 100042,
    IEC 100043, IEC 100044, IEC 100045,
    IEC 100046, IEC 100048, IEC 1000411
Emission
    EN55022 & A1:2000 IEC 100032,
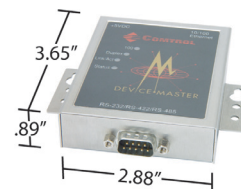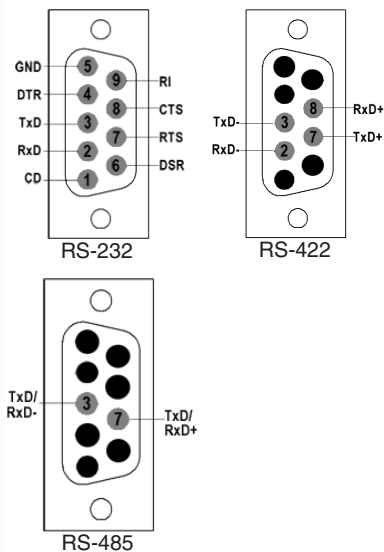   IEC 100033, CISPR22, ICES003
Safety
    EN60950, IEC 60950, CSA C22.2 No. 50/
    UL60950

FEATURES

Easy Setup
SoftwareSelectable Serial Port Interface
PortVision Remote Management Software
PLCbased or Webbased Serial Port Configuration
Watchdog Reset

PIN ASSIGNMENTS

RS-232 / RS-422 / RS-485 pin assignment diagrams

DeviceMaster UP 1-Port Dimensions (in inches)
Metric (L 9.27cm X W 7.32cm X H 2.26cm)

ORDERING INFORMATION

99441-1 DeviceMaster UP 1-Port

PRODUCT SUPPORT & SERVICE INFORMATION

Warranty Information
Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support
+1.763.957.6000
sales@comtrol.com

Technical Support
+1.763.957.6000
www.comtrol.com/support

Email, FTP, and Web Support
info@comtrol.com
ftp.comtrol.com
www.comtrol.com

*We have tested the products to run at these temperatures.