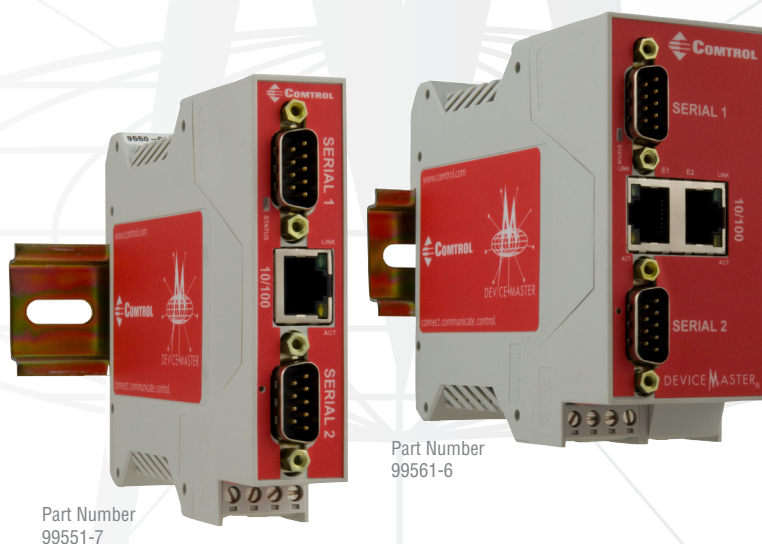




## HIGHLIGHTS

- 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



## DeviceMaster® UP DB9 2-Port 1E and 2E

At Control, 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.



## SPECIFICATIONS

### HARDWARE

<b>Bus Interface Specification</b>	10/100 BaseT
<b>Memory</b>	
SDRAM	8 MB
Flash	4 MB
<b>Enclosure</b>	UL94-V0 Plastic
<b>Installation Method</b>	DIN Rail (35mm)
<b>LED Indicators</b>	
Status, Ethernet Link/Activity	
<b>Dimensions</b>	
1E	4.6" x 3.9" x 0.9"
2E	4.6" x 3.9" x 1.8"
<b>Product Weight</b>	
1E	4.6 oz
2E	6.5 oz

### ELECTRICAL SPECIFICATIONS

<b>Device</b>	
DC Input Voltage	6-30V
Current Consumption (+24VDC)	
1E	65 mA
2E	85 mA
<b>Power Consumption (max.)</b>	
1E	1.56 W
2E	2.0 W
<b>Power Input Redundancy</b>	
Dual Redundant Power Input	
<b>ESD Surge Protection</b>	
Provided minimum of 25KV protection for all serial lines. All Ethernet components are rated to 1.5KV magnetic surge protection.	

### ENVIRONMENTAL SPECIFICATIONS

<b>Air Temperature</b>	
System On	-37° C to 74°C
System Off	-40° C to 85°C
<b>Operating Humidity</b>	
(Non-Condensing)	5% to 95%
<b>Altitude</b>	0 to 10,000 Feet
<b>Heat Output</b>	
1E	5.3 BTU/Hr
2E	6.8 BTU/Hr
<b>Mean time between failures</b>	
1E	58.8 Years
2E	49.5 Years

### SERIAL COMMUNICATIONS

<b>Connector Type</b>	DB9 Male
<b>Number of Ports</b>	2
<b>Software Selectable Interfaces</b>	
RS-232, RS-422, RS-485 2-Wire, RS-485 4-Wire (Master/Slave)	
<b>Baud Rates</b>	300 to 230.4 Kbps
Receive Buffer	1024 Bytes
Transmit Buffer	256 Bytes
<b>Data Bits</b>	7 or 8
<b>Parity</b>	Odd, Even, None
<b>Stop Bits</b>	1 or 2
<b>Flow Control</b>	
Hardware, Software or None	

### ETHERNET SPECIFICATIONS

<b>Network Protocols</b>	ARP, BOOTP, DHCP, HTTP, ICMP, Ping, RARP, RFC 1006 (ISO over TCP), RFC 2217, SNMP (MIB-II), TCP/IP, Telnet, TFTP, and UDP socket services
<b>Connector Type</b>	RJ45F Auto MDI/MDI-X
<b>Number of Ports</b>	
1E	1
2E	2

### INDUSTRIAL PROTOCOLS

EtherNet/IP  
Modbus/TCP  
PROFINET IO

### EXPORT INFORMATION

<b>Packaged Shipping Weight</b>	
1E	1.0 lbs
2E	1.1 lbs
<b>Package Dimensions</b>	9.25" x 2.5" x 7.25"
<b>UPC Code</b>	
1E	7-56727-99551-7
2E	7-56727-99561-6
<b>Country of Origin</b>	USA
<b>ECCN</b>	5A991
<b>Schedule B Number</b>	8471.80.1000

### REGULATORY APPROVAL MARKS



### REGULATORY STANDARDS

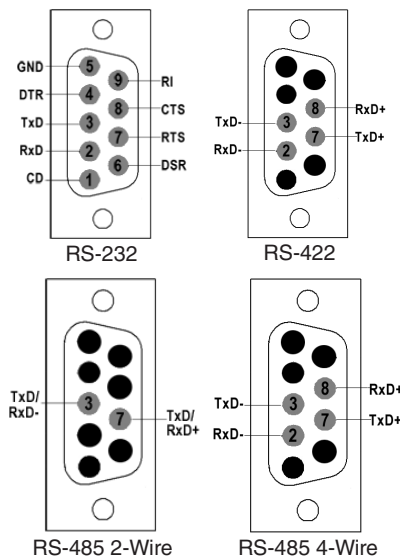
<b>Emissions</b>	
FCC PART 15 SUBPART B	
CLASS A LIMIT	
AS/NZS CISPR 22	
European Standard EN55022	
Canadian EMC Requirements	
ICES-003	
<b>Immunity</b>	
European Standard EN55024	
IEC 1000-4-2/EN61000-4-2: ESD	
IEC 1000-4-3/EN61000-4-3: RF	
IEC 1000-4-4/EN61000-4-4: Fast Transient	
IEC 1000-4-5/EN61000-4-5: Surge	
IEC 1000-4-6/EN61000-4-6: Conducted Disturbance	
IEC 1000-4-8/EN61000-4-8: Magnetic Field	
IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations	
<b>Safety</b>	
IEC 60950/EN60950 (RECOGNIZED)	
CSA C22.2 No. 50/UL60950 Third Edition	
<b>Other</b>	
European Standard: 2002/95/EC Directive (RoHS)	
NEMA TS2 Compliant	

### FEATURES

<b>SNMP Support</b>	Monitoring Only
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### 2-PORT PIN ASSIGNMENTS



### ORDERING INFORMATION

99551-7 DeviceMaster UP DB9 2-Port 1E  
99561-6 DeviceMaster UP DB9 2-Port 2E

### PRODUCT SUPPORT & SERVICE INFORMATION

#### Warranty Information

Control 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