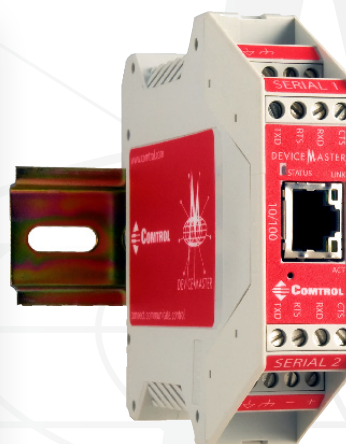




HIGHLIGHTS

- 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
99531-9



Part Number
99541-8

DeviceMaster® UP 2-Port 1E and 2E

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.



SPECIFICATIONS

HARDWARE

Bus Interface Specification	10/100 Base-T
Memory	
SDRAM	8 MB
Flash	4 MB
Enclosure	UL94-V0 Plastic
Installation Method	DIN Rail (35mm)
LED Indicators	
Status, Ethernet Link/Activity	
Enclosure Dimensions	
1E	4.37" x 3.9" x .89"
2E	4.37" x 3.9" x 1.78"
Product Weight	
1E	4.6 oz
2E	7.5 oz

ELECTRICAL SPECIFICATIONS

DC Input Voltage	5-30 V
Current Consumption	+24 VDC
1E	60 mA
2E	80 mA
Power Consumption (max)	
1E	1.5 W
2E	2.0 W
ESD Surge Protection (min)	
1E	25KV
2E	25KV

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-37 to 74°C
Storage Temperature	-40 to 85°C
Operating Humidity (non-condensing)	5% to 95%
Altitude	0 to 10000 Feet
Heat Output	
1E	5.0 BTU/Hr
2E	6.6 BTU/Hr
Mean time between failures	
1E	58.57 Years
2E	45.66 Years

SERIAL COMMUNICATIONS

Connector Type	(2) Screw Terminal Blocks
Interface Standard	RS-232, RS-422, RS-485 Half-Duplex, RS-485 Full-Duplex
Baud Rates	300 to 230.4Kbps
Transmit Buffer	256 Bytes
Receive Buffer	1024 Bytes
Data Bits	7 or 8
Parity	odd, even or none
Stop Bits	1 or 2
Flow Control	Hardware, Software, None

ETHERNET SPECIFICATIONS

Network Protocols	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
Connector Type	
1E	(1) RJ45F Auto MDI/MDI-X
2E	(2) RJ45F Auto MDI/MDI-X

EXPORT INFORMATION

Packaged Shipping Weight	
1E	0.91 lbs
2E	1.04 lbs
Package Dimensions	9.25" x 2.5" x 7.25"
UPC Code	
1E	7-56727-99531-9
2E	7-56727-99541-8
Country of Origin	USA
ECCN	5A991
Schedule B Number	8471.80.1000

DEVICE DRIVERS

Linux
 Microsoft® Windows® 7
 Microsoft® Windows® 2008 Server
 Microsoft® Windows® Vista
 Microsoft® Windows Server® 2003
 Microsoft® Windows® XP
 Microsoft® Windows NT® 4.0 (Legacy)
 Microsoft® Windows® 2000 (Legacy)

REGULATORY APPROVAL MARKS



REGULATORY STANDARDS

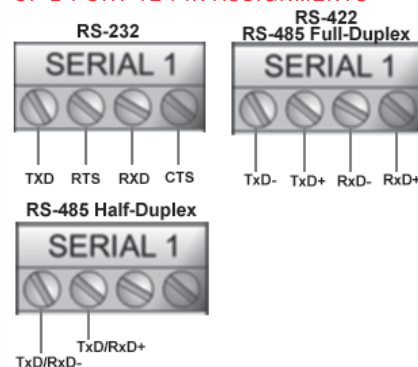
Emission	CANADIAN EMC REQUIREMENTS ICES-003 European Standard EN55022 FCC PART 15 SUBPART B CLASS A LIMIT AS/NZS CISPR 22
Immunity	European Standard EN55024 IEC 1000-4-2/EN61000-4-2: ESD IEC 1000-4-3/EN61000-4-3: RF IEC 1000-4-4/EN61000-4-4: Fast Transient IEC 1000-4-5/EN61000-4-5: Surge IEC 1000-4-6/EN61000-4-6: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

FEATURES

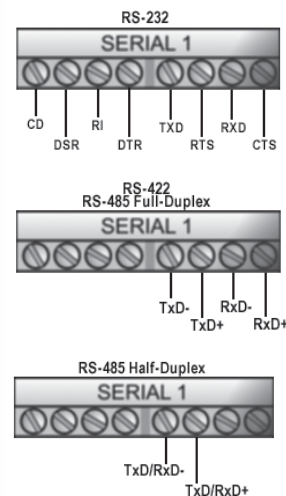
SNMP Support
 RoHS Compliant



UP 2-PORT 1E PIN ASSIGNMENTS



UP 2-PORT 2E PIN ASSIGNMENTS



ORDERING INFORMATION

99531-9 DeviceMaster UP 2-Port 1E
 99541-8 DeviceMaster UP 2-Port 2E

RECOMMENDED ACCESSORIES

32100-2 Power Supply PS1020 (24V, 24W)
 32101-9 Power Supply PS1060 (24V, 60W)
 32102-6 Power Supply PS1100 (24V, 100W)

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