ETHERLITE®

Cost-effective serial concentrator designed for applications requiring serial port connectivity over an Ethernet network

The EtherLite family of network serial concentrators adds serial ports to an Ethernet network, eliminating the installation of serial adapters inside servers. It offers easy installation and network efficiency and control at a low price per port.

A single TCP/IP session services the traffic from all ports, unlike the conventional one-session-per-port method. This means less overhead at the host and less traffic on the Ethernet. With Digi's patented RealPort® drivers, the EtherLite ports appear as local TTY ports under UNIX® and as native COM ports under Microsoft® Windows®. These locally administered ports allow full control of serial ports.

Available in two- to 32-port models, the EtherLite can be used in numerous applications including retail/POS, process control, data collection and console management of clusters, routers, hubs, switches, PBXs and other networking devices with console ports.

BENEFITS

– 2, 8, 16 or 32 asynchronous serial ports
– Minimizes Ethernet traffic by multiplexing all serial ports into a single TCP/IP session
– Patented RealPort drivers for UNIX, Linux and Windows
– Delivers real serial ports, without Telnet, Rlogin, Reverse Telnet or other complex networking overhead
– Full support for hardware signaling
– RS-232/422 switchable model available

RELATED PRODUCTS

PortServer® TS
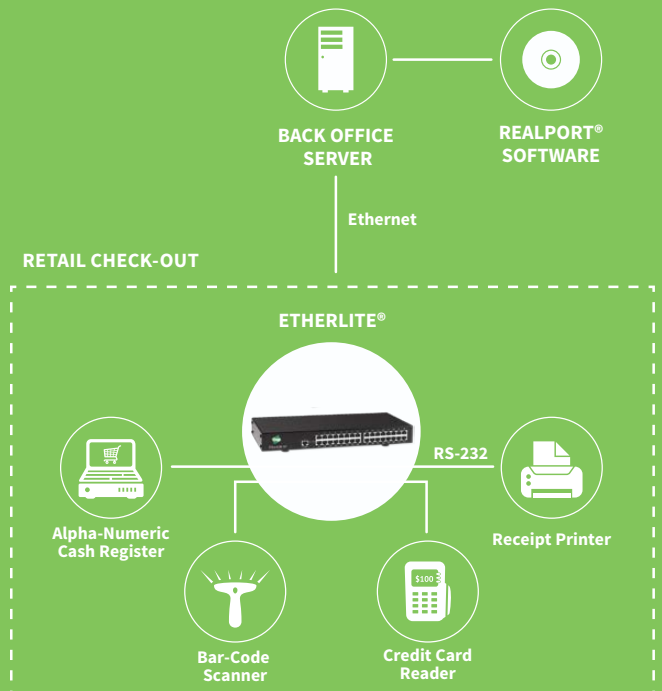
Digi Connect® SP

ConnectPort® TS

ConnectPort® LTS

AnywhereUSB®

APPLICATION EXAMPLE

BACK OFFICE SERVER

REALPORT® SOFTWARE

Ethernet

RETAIL CHECK-OUT

ETHERLITE®

RS-232

Alpha-Numeric Cash Register

Bar-Code Scanner

Credit Card Reader

Receipt Printer

SPECIFICATIONS	EtherLite® 2	EtherLite® 80	EtherLite® 160/162	EtherLite® 32
FEATURES				
MANAGEMENT	DHCP			
SOFTWARE	Device-initiated patented RealPort® COM port redirector			
STATUS LEDS	Link, Power			
DIMENSIONS (L X W X D)	6.3 in x 1.2 in x 3.8 in (16.0 cm x 2.9 cm x 9.5 cm)	11.5 in x 1.2 in x 5.4 in (29.3 cm x 2.9 cm x 13.8 cm)		15.1 in x 1.8 in x 7.6 in (38.4 cm x 4.5 cm x 19.2 cm)
WEIGHT	0.5 lb (0.2 kg)	3.1 lb (1.4 kg)		5.8 lb (2.6 kg)
OPERATING SYSTEMS	AIX, HP-UX, Solaris, Linux®, Windows® 2000, Windows® XP, Windows® 7, Windows® 8, Windows® 8.1, Windows® 10, Windows Server® 2003, Windows Server® 2008, Windows Server® 2012. Note: TCP/UDP socket services are operating system independent			
OTHER	Multiplexes all serial ports into a single TCP/IP session, minimizing Ethernet traffic; Auto-detection of either 10 Mbps or 100 Mbps Ethernet (EtherLite 80, 160and 162 models); Field upgradeable; Supports DHCP for easy IP address configuration			
INTERFACES				
SERIAL				
PORTS	2 RS-232	8 RS-232	16 RS-232 (RS-232/422 switchable model)	32 RS-232
CONNECTORS	RJ-45F with built-in transient voltage suppression			
THROUGHPUT	Up to 115 Kbps on all ports simulataneously			Supports up to 115 Kbps on all ports, but not simultaneously
SIGNAL SUPPORT	TXD, RXD, RTS, CTS, DTR, DSR and DCD			
ETHERNET				
PORTS	10 Mbps 10Base T; Full or Half duplex	10/100 Mbps 10/100Base T; Full or Half duplex		10 Mbps 10Base T; Full or Half duplex
PROCESSOR AND MEMORY				
CPU	40 MHz 80C186 embedded microcontroller			
SRAM	512K at zero wait states			
EPROM	128K flash at zero wait states			
POWER REQUIREMENTS				
POWER INPUT	External, 100-240 VAC, 50/60 Hz			Internal, 100-240 VAC, 50/60 Hz
POWER CONSUMPTION	15 W typical, 20 W max			20 W typical, 25 W max
ENVIRONMENTAL				
OPERATING TEMPERATURE	10° C to 40° C (50° F to 104° F)			
RELATIVE HUMIDITY	5% to 90% (non-condensing)			
ETHERNET ISOLATION	1500 VAC min per IEEE802.3/ANSI X3.263			
SERIAL PORT PROTECTION (ESD)	+15 kV human body model			
APPROVALS				
SAFETY	UL1950; EN 60950			
EMISSIONS/IMMUNITY	FCC Class A; EN55022; Class A or B; EN55024; EN61000-3-2,3; EN50082-1,2			

PART NUMBERS	DESCRIPTION
70001427	EtherLite 160 - 16-port RS-232 RJ-45 terminal server
70001428	EtherLite 162 - 16-port RS-232/RS-422 RJ-45 terminal server
70001429	EtherLite 32 - 32-port RS-232 RJ-45 terminal server with rack kit
70001430	EtherLite 2 - 2-port RS-232 RJ-45 terminal server
70001531	EtherLite 2 - 2-port RS-232 RJ-45 terminal server (International)
70001528	EtherLite 160 - 16-port RS-232 RJ-45 terminal server (International)
70001529	EtherLite 162 - 16-port RS-232/RS-422 RJ-45 terminal server (International)
70001533	EtherLite 32 - 32-port RS-232 RJ-45 terminal server with rack kit (International)
70001767	EtherLite 80 - 8-port RS-232 RJ-45 terminal server
70001768	EtherLite 80 - 8-port RS-232 RJ-45 terminal server (International)

FOR MORE INFORMATION
PLEASE VISIT WWW.DIGI.COM

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