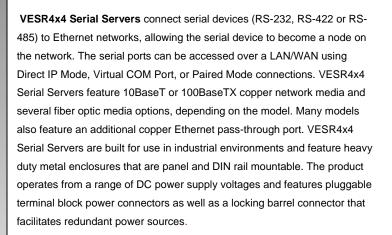
VESR4x4

Vlinx ™ 4-Port Industrial Ethernet Serial Servers

- √ Ruggedized for extreme applications
- √ Heavy Industrial 61000-6-2 EMC tested
- ✓ IEC600068-2-27 (shock) and 600068-2-6 (vibration) tested
- ✓ Wide Operating Temperature (-40 to 80C)
- ✓ Independent Serial Port selection for RS-232, RS-422, or RS-485
- ✓ Wide Voltage input 10 to 58VDC, via terminal block or locking barrel plug



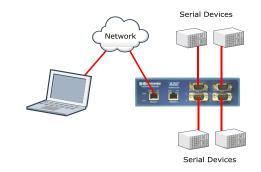
Fiber Optic Ethernet Ports - Choose a serial server with fiber optic Ethernet ports when the application requires long distance runs or high RFI/EMI noise is present. Many applications require a high level of noise immunity and fiber eliminates this problem between devices. Fiber optic connections far exceed the 100m limitation of standard Ethernet copper ports. Multi-mode fiber can be extended up to 2km distance while single-mode fiber can run as far as 20km.

Ease of Use- Configuration, upgrades and monitoring of the serial server are simple, Easy tasks with Vlinx Manager Software. It installs right on your PC giving you access the serial server via your desktop. Remotely manage the serial server over a LAN or WAN via the build-in web server. This is helpful for off-site troubleshooting and can be done with a simple web browser.



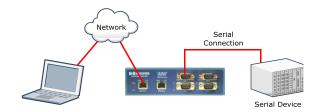
Direct IP Mode

TCP/IP or UDP/IP socket applications communicate directly with serial devices



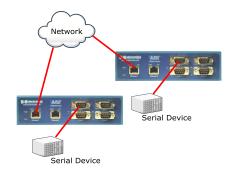
Virtual COM Mode

Communicate with serial devices through your network as if they were connected to a physical COM port.



Paired Mode

Serial devices communicate with each other by tunneling through your network.





Specifications

Specifications						
		Serial Technology				
RS-232 (DB9)		CTS, DCD plus Signal Ground				
RS232 (terminal block)	TD, RD, RTS, CTS) plus Signal Ground					
RS-485 2-Wire	Data A(-), Data B(+), GND					
RS-422/485 4-Wire	TDA(-), TDB(+), RDA(-), RDB(+), GND					
Serial Connector	DB9M or Removable Terminal Blocks					
Data Rate	Up to 230.4 Kbps					
		Fiber Optic Technology				
- /// / //	VESR424x-Mx	VESR424-Sx				
Type / Wavelength	Multi-mode / 1310 nm	Single-mode / 1310 nm				
Output Power	(-)19 to (-) 14 dBm	(-) 15 to (-) 8 dBm				
Receive Sensitivity	≦ (-) 32 dBm	≦ (-) 32 dBm				
Cable	62.5 / 125 μm	9 / 125 μm				
Connector	SC or ST	SC or ST				
Range	1.2 miles (2 km)	12.4 miles (20 km)				
		Power				
Source	External					
Input Voltage	10 to 58 VDC					
Connector	Removable Terminal Block (16 – 28 AWG)					
Power Consumption	6.0 Watts Max.					
LED Late	0.220	Mechanical				
LED Indicators	Serial Port, Ethernet Link,	Speed				
Switches	Reset Button					
Dimensions	VESR4x4:1.8 x 4.4 x 6.75 in (4.57 x 12.2 x 17.1					
Enclosure	cm) 35mm DIN mount, Metal, IP 30					
Eliciosure	John Bilv Mount, Wetal, 1	Environmental				
Operating Temp	-40 to 80°C (-40 to 176° F)					
Operating Humidity	10 to 95% Non-condensing					
MTBF	VESR4x4: 70273 hours	9				
MTBF Calc Method	Parts Count Reliability Pre	ediction				
WI BI Calcimotifica	r and count remarkly i re	Network				
Serial Memory	8 KB per port					
Network Memory	4 KB					
IP Port Addresses	5300 – Heartbeat and con	figuration Setting in TCP Mode (paired mode)	8888 – VESR4x4 Update			
		Network Communications	12011 IXT Space			
LAN	10/100 Mbps Auto-detecting	ng , 10BaseT or 100BaseTX				
		etwork Physical Layer Standards				
Ethernet		& auto MDI/MDX, 10BaseT and 100Base TX				
	3	Protocols				
Protocols	TCP, IPv4, UDP, ARP, H	TTP 1.0, ICMP/PING, DHCP/BOOTP				
IP Mode	Static, DHCP					
TCP	User definable					
		Other				
Connection Mode	Server, Client, VCOM, Pai					
Client Connection	At power up or upon data arrival					
Search	Serial direct COM and Ethernet Auto Search or specific IP					
Diagnostics	Display PC IP, ping, test VCOM					
Firmware Upgrade	Web GUI through Ethernet					
		rnet Pass-through Port (VESR424)				
Standards	IEEE 802.3, 802.3u, 802.3	• ,				
Processing Type	, ,	2.3x full duplex, non blocking flow control				
Flow Control	IEEE 802.3x flow control, I					
		Configuration Software				
OS Compatibility	Windows 2000, XP (32/64	bit), 2003 Server (32/64 bit), Vista (32/64 bit), 2008	Server (32/64 bit), Windows 7			
OS Compatibility	(32/64 bit)		, , , , , , , , , , , , , , , , , , , ,			
		egulatory / Certifications / Safety				
0	FCC Part 15 Class A,					
Compliance	CE NEMA TS2					
	NEMA TS2 Shock	IEC 600068-2-27				
	Vibration	IEC 600068-2-6				
	· ioration	120 000000 2 0				



Ordering Information

Model Number	Ethernet Ports	Ethernet Connector 1	Ethernet Connector 2	Serial Connector (x4)
VESR414D	1	RJ-45		DB9 Male
VESR414T	1	RJ-45		Terminal Block
VESR424D	2	RJ-45	RJ-45	DB9 Male
VESR424D-MC	2	Multi-mode SC	RJ-45	DB9 Male
VESR424D-MT	2	Multi-mode ST	RJ-45	DB9 Male
VESR424D-SC	2	Single-mode SC	RJ-45	DB9 Male
VESR424D-ST	2	Single-mode ST	RJ-45	DB9 Male
VESR424T	2	RJ-45	RJ-45	Terminal Block
VESR424T-MC	2	Multi-mode SC	RJ-45	Terminal Block
VESR424T-MT	2	Multi-mode ST	RJ-45	Terminal Block
VESR424T-SC	2	Single-mode SC	RJ-45	Terminal Block
VESR424T-ST	2	Single-mode ST	RJ-45	Terminal Block

Accessory Items

Power Supply MDR-40-24 Din Rail Mount, 24VDC, 40 Watt

PS12VLB-INT-MED 12VDC, Locking Barrel

Cable 232NM9 Null Modem Crossover Cable for DTE to DTE connection

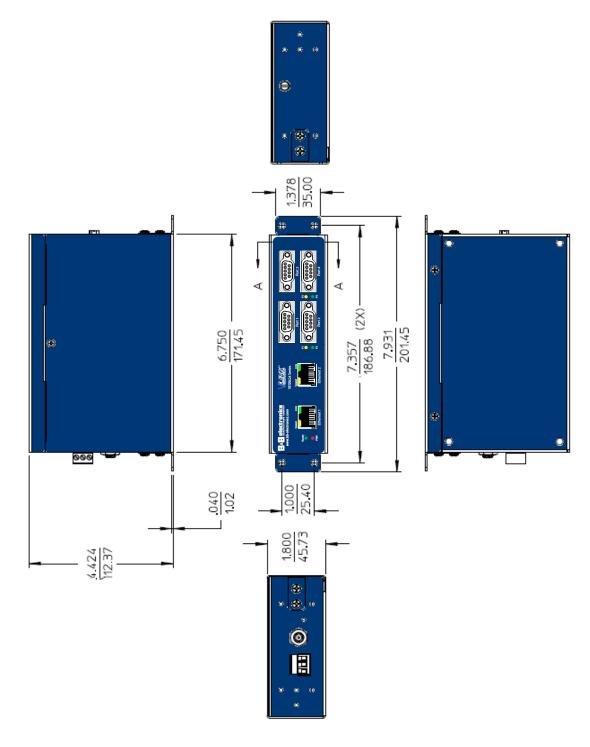
Rail ERS35 one-meter length of steel 35mm DIN Rail

Panel Mount Bracket Kit #9030

Note: PS12VLB-INT-MED locking barrel connector: Female Locking Barrel 5.5 mm OD, 2.5 mm Center Conductor, 9 mm long, Center Positive



Mechanical Diagram



Dimensional Diagram of a VESR424 Serial Server (dimensions in inches & millimeters)

