Four-port Industrial Ethernet Serial Server

Model BB-VESR424D





FEATURES

- Add serial devices as nodes to Ethernet network
- Configure, monitor and make upgrades remotely
- Data rate: up to 230.4 kbps
- -40 to +80 C° wide operating temperature
- Panel or DIN rail mountable (adapters included)
- UL Class 1/Division 2, NEMATS2, Shock/Vibration
- 10-48 VDC power (power supply required, not included, sold separately

Vlinx™ BB-VESR424D Ethernet to Serial Server connects serial devices (RS-232, RS-422 or RS-485) to Ethernet networks, allowing the serial device to become a node on the network.

Serial ports can be accessed over a LAN/WAN using Direct IP Mode, Virtual COM Port, or Paired Mode connections. Model BB-VESR424D serial server features 10BaseT or 100BaseTX copper network media and an additional copper Ethernet pass-through port.

Rugged, Industrial Design

This Class 1/Division 2 and NEMA TS2 serial server is built for use in industrial and transportation environments with a heavy-duty metal enclosure that is panel or DIN rail mountable. It operates from a range of DC power supply voltages and features a pluggable terminal block power connector as well as a locking barrel connector to facilitate redundant power sources. An external power supply is required (not included, sold separately).

Ease of Use

Configuration, upgrades and monitoring are easy tasks using the Vlinx™ Manager software. It installs on your PC giving you access to the serial server via your desktop. Remotely manage the serial server over a LAN or WAN via the built-in web server and a web browser - helpful for off-site troubleshooting.

ORDERING INFORMATION

MODEL NUMBER	ETHERNET PORTS	ETHERNET CONNECTOR 1	ETHERNET CONNECTOR 2	SERIAL CONNECTOR (X4)
BB-VESR424D	2	RJ-45	RJ-45	DB9 Male

4818ds

Mounting hardware included: DIN Rail and Panel Mount Adapters.

ACCESSORIES - sold separately

BB-MDR-40-24 - Power Supply, 24VDC, 1.7A output power, DIN rail mount





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SPECIFICATIONS

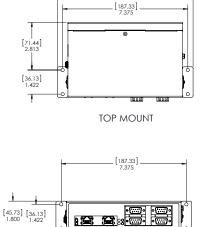
SPECIFICATIONS				
SERIAL TECHNOLOGY				
RS-232 (DB9)	TD, RD, DTR, DSR, RTS, CTS, DCD, plus Signal Ground			
RS-485 2-Wire	Data A(-), Data B(+), GND			
RS-422/485 4-Wire	TDA(-), TDB(+), RDA(-), RDB(+), GND			
Serial Connector	DB9 Male			
Data Rate	Up to 230.4 kbps			
POWER				
Source	External, required (power supply not included, sold separatly)			
Input Voltage	10 to 48 VDC (58 VDC, maximum)			
Connector	Removable Terminal Block (16 – 28 AWG) (Use TB for UL C1/D2 applications.)			
Power Consumption	6.0 Watts, maximum			
MECHANICAL				
LED Indicators	Serial Port, Ethernet Link, Speed			
Switches	Reset Button			
Dimensions	17.145 x 11.237 x 4.572 cm (6.750 x 4.424 x 1.800 in)			
Enclosure	IP30, metal			
Mounting	Panel or 35mm DIN rail mount (adapters included)			
ENVIRONMENTAL				
Operating Temperature	-40 to +80 °C (-40 to +176 °F)			
Operating Humidity	10 to 95%, non-condensing			
MEANTIME BETWEEN FA	• • •			
MTBF	70273 hours			
MTBF Calculation Method	Parts Count Reliability Prediction			
NETWORK				
Serial Memory	8 KB per port			
Network Memory	4 KB			
NETWORK COMMUNICA				
LAN	10/100 Mbps Auto-detecting, 10BaseT or 100BaseTX			
NETWORK PHYSICAL LA				
Ethernet	IEEE 802.3 Auto-detecting & Auto MDI/MDX, 10BaseT and 100Base TX			

PROTOCOLS					
Protocols	TCP, IPv4, UDP, ARP, HTTP 1.0, ICMP/PING, DHCP/BOOTP				
IP Mode	Static, DHCP				
TCP/UDP	User definable				
OTHER					
Connection Mode	Server, Client, VCOM, Paired				
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	Vlinx Manager				
ETHERNET PASS-	THROUGH PORT				
Standards	IEEE 802.3, 802.3u, 802.3x				
Processing Type	Store and Forward with 802.3x full-duplex, non-blocking flow control				
Flow Control	IEEE 802.3x flow control, back pressure flow control				
CONFIGURATION SOFTWARE					
OS Compatibility	Windows 2000, XP (32/64 bit), 2003 Server (32/64 bit), Vista (32/64 bit), 2008 Server (32/64 bit), 2012 Server-r2 (32/64 bit), 7 (32/64 bit), 8 (32/64 bit), 10 (32/64 bit)				
REGULATORY - APPROVALS, DIRECTIVES, STANDARDS					
	FCC, Part 15 Class A				
	UL Class 1/Division 2				
	Shock - IEC 600068-2-27				
	Vibration - IEC 600068-2-6				
	NEMA TS2				
CE Directives	2014/30/EU – Electromagnetic Compatibility 2011/65/EU – Reduction of Hazardous Substances (RoHS) 2012/19/EU – Waste Electrical and Electronic Equipment (WEEE)				
CE Standards	EN 55032 Class B – Electromagnetic compatibility of multimedia equipment – Emission requirements EN 55024 – Information Technology Equipment – Immunity characteristics – Limits and methods of measurement EN 61000-6-1 – Generic immunity standards for residential, commercial and light-industrial environments EN 61000-6-2 – Generic standards - Immunity (heavy) industrial environments				

MECHANICAL DIAGRAM - BB-VESR424D

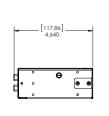
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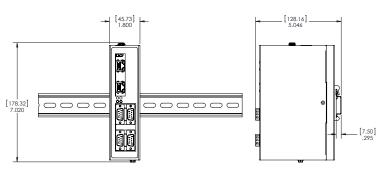
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FRONT MOUNT







DIN RAIL MOUNT

