Ultra Compact Ethernet Serial Servers

VESP211 Series

B+B SmartWorx
Powered by ADVANTECH
www.advantech-bb.com

PRODUCT FEATURES

- Ethernet enable serial devices
- Ultra compact design fits into the tightest spaces
- RS-232, RS-422/485, and RS-232/422/485 models
- TCP/IP interface
- IP30 metal enclosure
- UL 60950 Listed

VESP211 series Ethernet Serial Servers connect serial devices (RS-232, RS-422 or RS-485) to Ethernet networks, allowing the serial device to become a node on the network. The serial port can be accessed over a LAN/WAN using Direct IP Mode, Virtual COM Port, or Paired Mode connections. VESP211 series Ethernet Serial Servers feature 10BaseT or 100BaseTX copper network. The product is built for use in harsh environments, featuring a heavy-duty metal enclosure that is panel (standard) or DIN rail mountable (with optional adapter). The product can operate from a range of DC power inputs and features a barrel connector. It is shipped with a power supply that features a universal AC input with interchangeable blades for North America, Europe, UK, Australia, and China.

Ease of Use

Configuration, upgrades and monitoring are simple, easy tasks with Vlinx™ Manager Software. It installs right on your PC giving you access to the serial server via your desktop. Manage remotely over a LAN or WAN via the built-in web server. This is helpful for off-site troubleshooting and can be done with a simple web browser.

ORDERING INFORMATION

MODEL NUMBER	SERIAL PROTOCOL	SERIAL PORT	ETHERNET PORTS	ETHERNET CONNECTOR
VESP211	RS-232/422/485	DB9M	1	RJ45
VESP211-232	RS-232	DB9M	1	RJ45
VESP211-485	RS-422/485	Removable Terminal Block	1	RJ45

ACCESSORIES

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

DRAD35 - DIN Rail Adaptor Clip (pair)

SMI6-12-V-P5 - Power Supply, 12 VDC 6 Watt, 5MM Plug, International AC Input, International AC Blades

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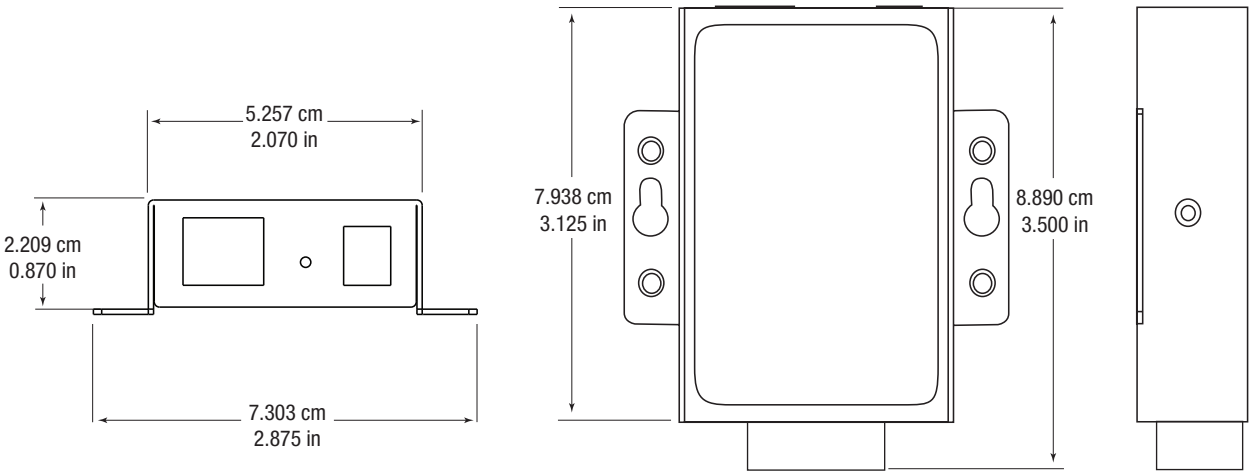
SPECIFICATIONS

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 Protocols & Connectors VESP211: VESP211-232: VESP211-485:	 RS-232/422/485 (DB9 male) RS-232 (DB9 male) RS-422/485 (removable terminal block)
Data Rate	Up to 230.4 Kbps
POWER	
Source	Power supply included (w/ international blade kit)
Input Voltage	12V DC
Power Connector Dimensions	5.5 x 2.1 mm
Power Consumption	2.5 Watts Max.
POWER SUPPLY (INCLUDED)	
Input Voltage	90 to 264 V AC
Frequency	47 to 63 Hz
Power Consumption	No load; Level VI = 0.1W; ErP Tier 1 = 0.075W
Operating Temperature	0 to +40 °C (+32 to +104 °F)
Storage Temperature	-10 to +70 °C (-14 to +158 °F)
Operating Humidity	20 to 80%
Storage Humidity	10 to 90%
Internation Blade Kit	North America, Europe, U.K., Australia, China, Japan
MECHANICAL	
LED Indicators	Serial Port, Ethernet, Ready LED's
Switches	Reset Button
Dimensions	VESP211 - 7.938 x 5.257 x 2.209 cm (3.125 x 2.070 x 0.870 in)
Enclosure	Metal, IP30
ENVIRONMENTAL	
Operating Temperature	0 to +40 °C (+32 to +104 °F) with included power supply -40 to +80 °C (-40 to +176 °F) without power supply
Operating Humidity	10 to 95% non-condensing
MTBF Calculation Method	MIL 217 F Parts Count Reliability Prediction
MTBF	VESP211: 1316219 hours VESP211-232: 1153248 hours VESP211-485: 1000086 hours

NETWORK	
Serial Memory	8 KB per port
Network Memory	4 KB
LAN	10/100 Mbps Auto-detecting, 10BaseT or 100BaseTX
Ethernet	IEEE 802.3 auto detecting & auto MDI/MDI-X, 10BaseT and 100Base TX
PROTOCOLS	
Protocols	TCP, IPv4, UDP, ARP, HTTP 1.0, ICMP/PING, DHCP/BOOTP
IP Mode	Static, DHCP
TCP/UDP UDP	User definable Unicast or Multicast
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	via Vlinx™ Manager
CONFIGURATION SOFTWARE	
Vlinx™ Manager	Windows XP (32/64 bit), 2003 Server (32/64 bit), Vista (32/64 bit), 2008 Server (32/64 bit), 7 (32/64 bit), 8/8.1 (32/64 bit), 10 (32/64 bit)
REGULATORY / CERTIFICATIONS / SAFETY	
Compliance	FCC Part 15 Class B
EMC	2004/108/EC, Electromagnetic Compatibility Directive 2011/65/EU, Reduction of Hazardous Substances Directive EN55022:2010+AC:2011, Information Technology Equipment - Class B RF Emissions EN55024:2010, Information Technology Equipment - Immunity (Light Industrial Environments) EN61000-4-2:2009, ESD Immunity EN61000-4-3:2006+A2:2010, Radiated Field Immunity (RFI) EN61000-4-4:2012, EFT/Burst Immunity EN61000-4-5:2006, Electrial Surges Immunity EN61000-4-6:2009, RF Conducted Immunity
UL	UL 60950 File# E353510

MECHANICAL DIAGRAM - VESP-211-485-x



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