Ultra Compact Ethernet
Serial Servers
VESP211 Series

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.

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

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>SERIAL PORT</th>
<th>SERIAL PROTOCOL</th>
<th>ETHERNET PORTS</th>
<th>ETHERNET CONNECTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>VESP211</td>
<td>DB9M</td>
<td>RS-232/422/485</td>
<td>1</td>
<td>RJ45</td>
</tr>
<tr>
<td>VESP211-232</td>
<td>DB9M</td>
<td>RS-232</td>
<td>1</td>
<td>RJ45</td>
</tr>
<tr>
<td>VESP211-485</td>
<td>Removable Terminal Block</td>
<td>RS-422/485</td>
<td>1</td>
<td>RJ45</td>
</tr>
</tbody>
</table>

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

All product specifications are subject to change without notice.

VESP211 Series_1717ds
## SPECIFICATIONS

### SERIAL TECHNOLOGY

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-232 (DB9)</td>
<td>TD, RD, DTR, DSR, RTS, CTS, DCD plus Signal Ground</td>
</tr>
<tr>
<td>RS-422/485 4-Wire</td>
<td>TDA(-), TDB(+), RDA(-), RDB(+), GND</td>
</tr>
<tr>
<td>RS-232/422/485</td>
<td>DB9 male</td>
</tr>
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<td>RS-232</td>
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</tbody>
</table>

### 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, EnP Tier 1 = 0.075W

### 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

**Storage Temperature**

-40 to +85 °C (-40 to +185 °F)

**Storage Humidity**

10 to 90%

**International Blade Kit**

North America, Europe, U.K., Australia, China, Japan

### 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**

User definable

**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**


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, Electrical Surges Immunity

**UL**

UL 60950 File# E353510

### MECHANICAL DIAGRAM - VESP-211-485-x