

UltraCompactEthernet SerialServers

VESP211Series



PRODUCTFEATURES

- Ethernet enable serial devices
- Ultra compact design fits into the tightest spaces
- RS-232, RS-422/485, and RS-232/422/485 models
- TCP/IPinterface
- IP30 metal enclosure
- UL60950 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,DCDplusSignalGround
RS-4852-Wire	DataA(-),DataB(+),GND
RS-422/4854-Wire	TDA(-),TDB(+),RDA(-),RDB(+),GND
SerialProtocols&Connectors	RS-232/422/485(DB9male)RS-232(DB9male)
VESP211-232:VESP211-	Upto230.4Kbps
POWER	
Source	Powersupply included(w/ international bladekit)
Input Voltage	12VDC
PowerConnectorDimensions	5.5x 2.1 mm
PowerConsumption	2.5Watts Max.
POWERSUPPLY(INCLUDED)	
Input Voltage	90to264VAC
Frequency	47to63Hz
PowerConsumption	No load;LevelVI= 0.1W;ErPTier1=0.075W
OperatingTemperature	0to+40°C(+32 to+104°F)
StorageTemperature	-10to+70°C(-14 to+158°F)
Operating Humidity	20to 80%
StorageHumidity	10to 90%
InternationBlade Kit	NorthAmerica,Europe,U.K.,Australia,China, Japan
MECHANICAL	
LEDIndicators	SerialPort,Ethernet,ReadyLED's
Switches	ResetButton
Dimensions	VESP211 -7.938x5.257x2.209 cm (3.125x 2.070x 0.870 in)
Enclosure	Metal, IP30
ENVIRONMENTAL	
OperatingTemperature	0to+40°C(+32to+104°F)withincluded power supply -40to+80°C(-40to+176°F)withoutpower supply
Operating Humidity	10to 95%non-condensing
MTBFCalculationMethod	MIL217FPartsCountReliabilityPrediction
MTBF	VESP211:1316219hours VESP211-232:1153248 hours VESP211-485:1000086hours

NETWORK	
SerialMemory	8KBperport
NetworkMemory	4KB
LAN	10/100 MbpsAuto-detecting,10BaseTor100BaseTX
Ethernet	IEEE802.3autodetecting&auto MDI/MDI-X,10BaseTand100BaseTX
PROTOCOLS	
Protocols	TCP,IPv4,UDP,ARP,HTTP1.0,ICMP/PING,DHCP/BOOTP
IPMode	Static,DHCP
TCP/UDP	User definable
UDP	Unicastor Multicast
OTHER	
ConnectionMode	Server, Client,VCOM,Paired
ClientConnection	Atpoweruporupondataarrival
Search	Serial direct COM and EthernetAuto Search or specific IP
Diagnostics	DisplayPCIP,ping,testVCOM
FirmwareUpgrade	via Vlinx™Manager
CONFIGURATIONSOFTWARE	
Vlinx™Manager	WindowsXP(32/64bit), 2003Server(32/64bit), Vista(32/64bit),2008Server (32/64bit), 7(32/64 bit),8/8.1 (32/64bit),
REGULATORY/CERTIFICATIONS/SAFETY	
Compliance	FCCPart15ClassB
EMC	2004/108/EC,ElectromagneticCompatibilityDirective2011/65/EU,ReductionofHazardousSubstancesDirective EN55022:2010+AC:2011, InformationTechnologyEquipment - ClassBRFEmissions EN55024:2010,InformationTechnologyEquipment -Immunity(Light IndustrialEnvironments)EN61000-4-2:2009,ESDImmunity EN61000-4-3:2006+A2:2010,RadiatedFieldImmunity(RFI)EN61000-4-4:2012,EFT/BurstImmunity
UL	UL60950File#E353510

MECHANICALDIAGRAM-VESP-211-485-x

