

ESP211-xxx-xx

RS-232/422/485 to Ethernet Mini Serial Server

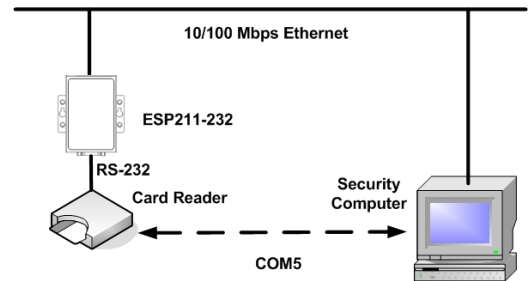
- ✓ **Low Cost – Great for Basic Applications**
- ✓ **Easy to Use and Configure – Software Included**
- ✓ **Compact – Fits in your Hand**
- ✓ **Data Rates up to 230 Kbps**
- ✓ **Three Versions –**
 - **MEI (RS-232/422/485) with DB9**
 - **RS-232 with DB9**
 - **RS-422/485 With Terminal Block**



Virtual COM Port
Serial Devices are seen as a
Virtual COM Port

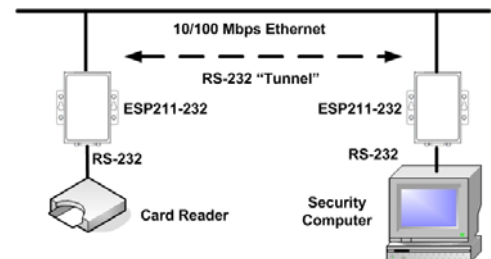
This ultra-compact RS-232/422/485 to Ethernet converter will fit almost anywhere. Measuring only 5.1 x 7.6 x 2.5 cm (2.0 x 3.0 x 1.0 inches), it easily connects legacy or new serial devices to your Ethernet network. Installation and configuration is quick and easy with the VLinX™ Manager Software provided on CD ROM. The software is compatible with Windows 2000, 2003 Server, XP, and Vista. It is powered from a 12 VDC power supply (included with the unit). Power supply options for US, UK, and EU are available. With three operating modes to select from; Virtual COM Port, Straight IP, & Paired, you can easily network enable any RS-232/422/485 device. RS-485 supports both 2-Wire and 4-Wire modes.

- IEEE 802.3U 10/100BaseT, auto-detecting
- TCP Server, TCP Client, or UDP
- Direct IP, Paired, or Virtual COM
- TCP Probe – Automatically restores connection in Virtual COM mode
- Data rates up to 230 Kbps



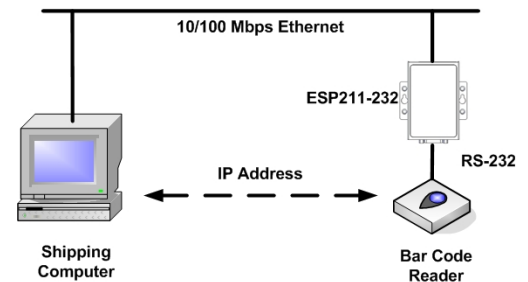
Paired Mode

Allows Serial Devices to Communicate with each other by "tunneling" through the Ethernet



Direct IP

Allows communication with serial device as if it were network enabled



Specifications

Serial Interface		Power	
Connector	DB9 Male (DTE)	ESP211-xxx	Power Adapter Included
Protocol	RS-232, RS-422, RS-485 2-Wire, RS-485 4-Wire		12 VDC, US Plug
Data Rate	Up to 230.4 Kbps		Input, 100 to 240 VAC, 47 to 63 Hz
Flow Control	None, RTS/CTS or XON/XOFF		North American Plug
Ethernet		Regulatory Approvals	
Standard	IEEE 802.3u, 10/100 BaseT	ESP211-xxx-UK	Same except UK Plug
Protocols	Auto detecting, Auto MDI/MDIX TCP, UDP, IP, ARP, ICMP, HTTP, Telnet, DHCP	ESP211-xxx-EU	Same except EU Plug
Communication Type	TCP Server/Client, UDP UDP Multicast Straight IP, Paired, Virtual COM Port	Ordering Information	
Security	Password, IP Address Filtering	ESP211	MEI, North American Version
Operating System	Windows 2000, 2003 Server XP and Vista	ESP211-EU	MEI, European Version
		ESP211-UK	MEI, UK Version
		ESP211-232	RS-232, North American Version
		ESP211-232-EU	RS-232, European Version
		ESP211-232-UK	RS-232, UK Version
		ESP211-485	RS-422/485 North American Version
		ESP211-485-EU	RS-422/485, European Version
		ESP211-485-UK	RS-422/485, UK Version
Mechanical		Accessory Items (not included)	
Enclosure	IP 30, Metal	C5UMB3FBG	UTP Ethernet Cable, 3 ft
Dimensions	3.3 x 2.9 x 0.9 in (8.4 x 7.4 x 2.3 cm)	9PAMF6	RS-232 Cable, DB9 M / DB9 F, 6 ft
Op Temp	32 to 131 F (0 to 55 C)	232NM9FF6	RS-232 Null Modem Cable, DB9F / DB9 F 6 ft
Storage Temp	-4 to 185 F (-20 to 85 C)		DIN Rail Mounting Kit
Op Humidity	0 to 95% Non-condensing		
MTBF	193000 hours		
MTBF Calc. Method	Parts Count Reliability Prediction	DRAD35	

