



### Wireless 802.11b Serial Server

*Wirelessly connect your legacy serial devices  
with 802.11b*

Model: ESR901WB

#### Description

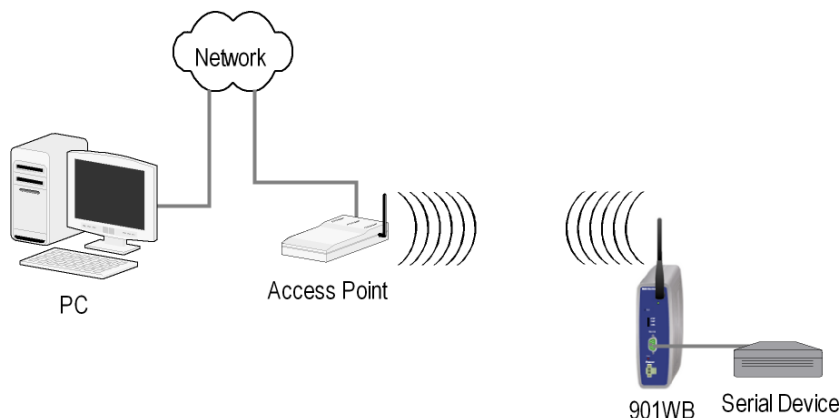
The Vlinx™ family of wireless Ethernet Serial Servers transparently connects, configures, and communicates with serial devices over 802.11b 11Mbps compatible Wi-Fi wireless connections. For applications where running cable is not an option, the Vlinx™ ESR solution combines wireless data networking with proven asynchronous connectivity. Available in 1 port version with support for RS-232 interface.

#### Features

- 2.4 GHz IEEE 802.11b DSSS radio
- Provides 100% 802.11b compatibility
- Rugged, IP30 enclosure, DIN or panel mount options
- Protocols: TCP, IP, ARP, DHCP, HTTP, UDP, ICMP
- LEDs provide at-a-glance operational status: power, signal strength, LAN-link, data
- Security: Admin/config password protection
- Config modes TCP server, TCP client, virtual COM

#### Benefits

- Wirelessly connect legacy serial devices to your LAN; Eliminates cable installation cost
- Ease of installation and setup via integrated software or web server
- Remote device monitoring and diagnostics
- Ideal for applications requiring COM ports, serial tunneling, TCP socket, or UDP socket
- Scalable and field upgradeable to protect investment



#### Specifications

**B&B electronics**  
MANUFACTURING COMPANY

**International Headquarters:** 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA  
815-433-5100 Fax 433-5104 [www.bb-elec.com](http://www.bb-elec.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-elec.com](mailto:support@bb-elec.com)

**European Headquarters:** Westlink Commercial Park Oranmore Co. Galway Ireland  
+353 91 792444 Fax +353 91 792445 [www.bb-europe.com](http://www.bb-europe.com) [orders@bb-europe.com](mailto:orders@bb-europe.com) [support@bb-europe.com](mailto:support@bb-europe.com)

Standard:	IEEE 802.11b
Wireless transmission rates (Mbps):	11, 5.5, 2, 1
Channels:	11 (USA/Canada), 13 (Europe), 14 (Japan)
Protocols supported:	TCP, UDP, DHCP, HTTP, ICMP, ARP
RS-232 support:	TD, RD, RTS, CTS, DTR, DCD, DSR, GND
Serial baudrate:	115200, 230400 115200, 230400
Serial connector:	DB9 male
Data bit:	5, 6, 7, 8
Data parity:	Mark, space, none, even, odd
Stop bit:	1, 2
Flow control:	none, RTS/CTS, XON/XOFF
Management:	Web browser
Client software:	Virtual COM port driver, discovery software
VCOM O/S:	Windows 98, ME, 2K, XP, NT 4.0, Vista
Communication mode:	Virtual COM port mode, direct IP mode, pair mode
Certifications:	FCC, CE
Antenna:	Omni-directional reverse SMA connector (included)
Power input:	10 to 30 VDC terminal block
RF power:	16dBm
LAN RJ-45:	None
Operating temperature:	0° to 70° C (0° to 158° F)
Storage temperature:	-40° to 85° C (-40° to 185° F)
Relative humidity:	10 to 90% non-condensing
Status indicators:	Power Link Activity Signal Strength
Dimensions:	6.9 x 5.7 x 2.3 in (17.4 x 14.5 x 5.8 cm)

**DECLARATION OF CONFORMITY**

Manufacturer's Name:	B&B Electronics Manufacturing Company
Manufacturer's Address:	P.O. Box 1040 707 Dayton Road Ottawa, IL 61350 USA
Model Numbers:	ESR901WB, ESR901W232, ESR901W485 ESR902W, ESR904W
Description:	802.11b Serial Servers
Type:	Light industrial ITE equipment
Application of Council Directive:	89/336/EEC
Standards:	EN 55022 EN 61000-6-1 EN 61000 (-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11)




Michael J. Fahrion, Director of Engineering



**International Headquarters:** 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA  
815-433-5100 Fax 433-5104 [www.bb-elec.com](http://www.bb-elec.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-elec.com](mailto:support@bb-elec.com)

**European Headquarters:** Westlink Commercial Park Oranmore Co. Galway Ireland  
+353 91 792444 Fax +353 91 792445 [www.bb-europe.com](http://www.bb-europe.com) [orders@bb-europe.com](mailto:orders@bb-europe.com) [support@bb-europe.com](mailto:support@bb-europe.com)