



*Wireless 802.11b/g Serial Servers*  
*Wirelessly connect your legacy serial devices*  
*with 802.11*

Model: ESR901WB

### *Description*

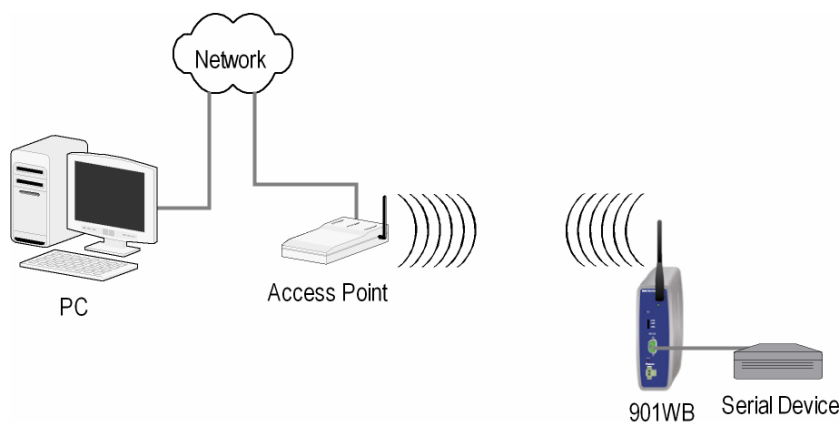
The Vlinx™ family of wireless Ethernet Serial Servers transparently connects, configures, and communicates with serial devices over industry leading 802.11g 54 Mbps, and 802.11b 11Mbps compatible Wi-Fi wireless connections. For applications where running cable is not an option, the Vlinx™ ESR solution combines wireless data networking with proven asynchronous connectivity. Available in 1, 2, and 4 port versions with support for RS-232, RS-422, and RS-485 interfaces.

### *Features*

- 2.4 GHz IEEE 802.11g DSSS radio
- 802.11g 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



**B&B electronics**  
 MANUFACTURING COMPANY

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### Specifications

Standard:	IEEE 802.11b/g	
Wireless transmission rates (Mbps):	54 (g only), 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	
RS-422 support:	4 wire full duplex	
RS-485 support:	4 wire half/full depending on model	
Serial baudrate:	110, 150, 300, 600, 1200, 2400, 4800, 9600, 14400, 19200, 28800, 38400, 57600, 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)	6.9 x 5.7 x 2.3 in (17.4 x 14.5 x 5.8 cm)

\*MEI = Multi-Electrical Interface via RS-232/422/485 support

#### 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:	802.11 b/g 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



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