Quick Start Guide

Vlinx Serial Servers

Models: ESP901/902/904
ESR901/902/904

ESP901/902/904

ESR901/902/904

Model	Switch 1	Switch 2	Switch 3
ESP901	Run/console	Run/console	Run/console
ESP902	Run/console	Run/console	Run/console
ESP904	None	None	None
ESR901	Run/console	TB or DB9	None
ESR902	Run/console	None	None
ESR904	Run/console	None	None

NOTE: ESP01/902 must be ALL UP or ALL DOWN.

1 Check Package Content

☐ ESP901/902/904 or ESR901/902/904 unit
☐ Printed version of this ESP90x/ESR90x Quick Start Guide
☐ CD ROM containing software and a comprehensive manual
☐ Ext power supply (ESP901/902/904 ONLY)

2 Hardware Installation

☐ Connect an Ethernet cable to the ESP/ESR unit if connecting to a switch or crossover direct to the PC.
☐ Connect the power supply to the ESP/ESR unit and apply power.

3 Software Installation

☐ Insert the software CD and it should autostart into the installation wizard.
☐ Follow the on screen installation wizard to install the Vlinx ESP Manager software.
Note: Be sure you have administrative rights & disable firewalls Windows XP/Vista(see Section 8 also).

4 Configure the ESP/ESR Unit

☐ Click Start\Programs\B&B Electronics\Vlinx\ESP Servers\Vlinx ESP Manager and it should auto-search for attached ESP901/902/904 or ESR901/902/904 devices on startup.
☐ Note that the device must reside on the same subnet or it won't be seen by the Vlinx ESP Manager software for first time discovery.
☐ Use the Vlinx ESP Manager software to configure the unit for network information, serial device configurations, timeouts, etc (double-click on your device in the list).
☐ Alternative method is to set the dipswitches in console mode and use Hyperterminal set at 9600 and 8-N-1. Use the arrow and <enter> key to configure (requires null modem/cross-over serial cable connected to Port 1). Be sure to set dipswitches back to run mode when done. (Not avail. on ESP904).
☐ Default password = <blank>
☐ Reboot as necessary.

5 VCOM Installation

☐ Click Start\Programs\B&B Electronics\Vlinx\Install Virtual COM
☐ Search for all devices (must be in same subnet). Type specific IP address otherwise.
☐ Select your device from list (double click on your device).
☐ Follow the onscreen instructions and install to a COM number usually 5 or above to limit interference with existing real COM ports.
☐ Use Hyperterminal to verify you can open your VCOM created.

6 Serial Device Installation

Connect the serial device to the unit using the correct cabling:
☐ Straight through serial cable for DCE serial device
☐ Null modem (crossover) serial cable for DTE serial device

7 LED Status

LED	STATUS	Function
Power Red	Solid	Power apply
LINK Yellow or Green	Yellow Green Blinking	10BaseT 100BaseT Network data activity
READY Green	Blinking Solid	Ready/normal Bootup/reset/malfunction
Serial (if avail.) Green	OFF Solid Blinking	Port not opened Port opened TX or TX/RX serial data activity
Serial (if avail.) Red	OFF Solid Blinking	Port not opened Port opened RX serial data activity

8 Ports To Open in Firewall

Ports	Function
5300	Heartbeat & configuration setting in TCP mode (i.e. pair tunneling mode)
8888	Vlinx update
8889	Configuration setting in UDP mode
8890	Vlinx monitor
4000/1/2/3	VCOM

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