Quick Start Guide
VLinx ESP41x Serial Server

ESP411-1 port ESP414-4 port

1. Package Checklist

The VLinx Multiport Serial Server package consists of following items:

- ✓ The Serial Server unit (1-Port, 2-Port or 4-Port)
- ✓ Power Adapter
- ✓ Quick Start Guide
- ✓ CD-ROM Disk (Documentation and software
- ✓ Foot pad set

Not included:

- ✓ Ethernet cable
- ✓ Serial cable (DB9)
- ✓ Mounting screws
- ✓ DIN rail kit **(B&B P/N - DRAD35)**

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2a. Panel Layout (2-port)

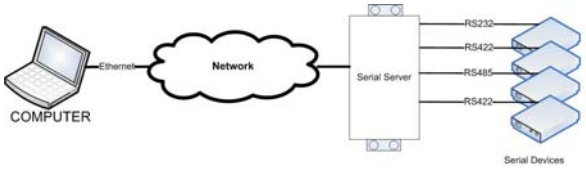
2b. Panel Layout (4-port)

3. LED Indicators

LED	Explanation
Power	**Red** – power *ON: power is applied*
Ready	**Green** -- blinks 1x per second when system is ready
LEDs on RJ45 Connectors	**Ethernet Link/Act/10/100Mbps:** **Orange** -- 10BaseT Ethernet connection established **Green** -- 100BaseT Ethernet connection established *Flashing: when data link active* *ON: when no data in activity and link connected*
LEDs for Serial Ports	**When set up as TCP server:** **Steady Green –** client is connected, communications starting **Flashing Green** – data present at the serial port **Light off** – connection closed **When setup in UDP mode:** **Steady Green** – port ready **Flashing Green** – data being transmitted or received

4. Hardware Installation

1. Connect VLinx Serial Server to network using a standard Ethernet cable.
2. Connect VLinx Serial Server to RS-232 port(s) on serial device(s).
   Note: If serial device is configured as DCE use straight-through serial cable. If serial device is configured as DTE use crossover (null modem) cable.
3. Apply power to VLinx Serial Server.

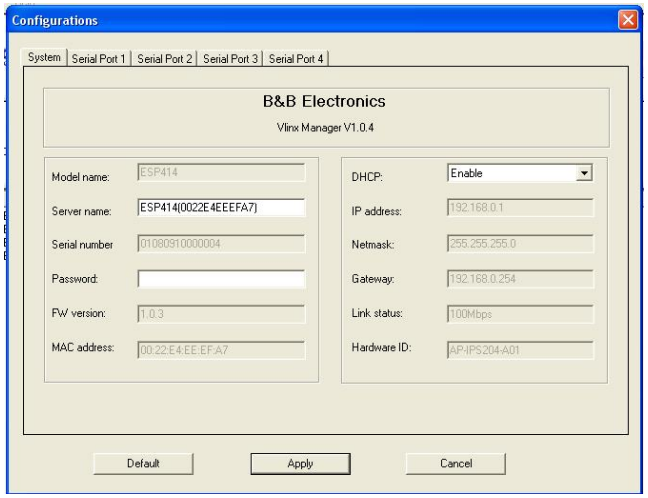


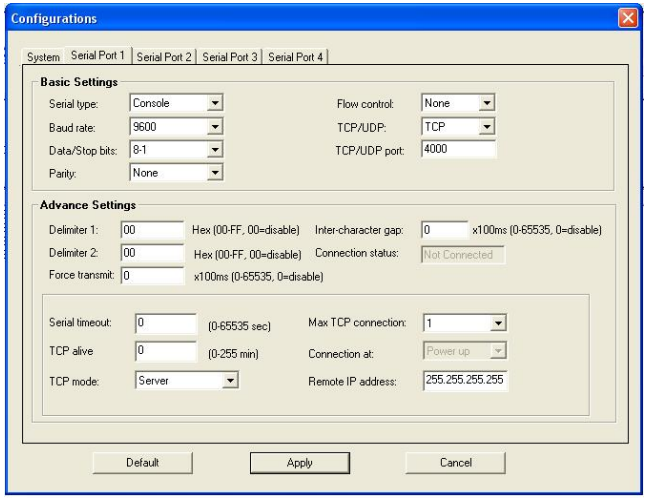
5. Software Configuration

Using the CD included with the Vlinx Serial Server, install the **VLinx Manager** software on the host computer.

1. Open the **VLinx Manager** software. It will automatically search for any reachable VLinx Serial Server devices. (If not found, verify the unit is located the same subnet. The default is 192.168.0.1 (if can't locate DHCP server), so your PC should be 192.168.0.x.) A list of all VLinx Serial Servers connected to the LAN will appear in the IP Serial Server List window.

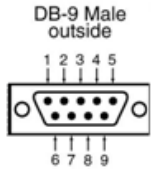
2. Double click the desired VLinx Serial Server port to bring up the **Configurations** screen.





3. Change the **Configurations** as required.
   (a) Disable DHCP, set appropriate static IP, Netmask and Gateway addresses from your Network Administrator (recommended), or enable DHCP to allow the VLinx Serial Server to obtain an IP address from DHCP server.
   (b) Set the **Serial type** to **RS-232/422/485** to match the serial device connected to the VLinx Serial Server.
   (c) Set **Baud Rate, Data/Parity/Stop**, and **Flow Control** to match the configuration of the **serial device** connected to the VLinx Serial Server port.
4. When the parameters have been set, click **Apply**. Following the prompts in the dialogue boxes, Restart the VLinx Serial Server and Search reachable servers again.
5. Re-enter **Configurations** to verify the changes have taken effect, or to view/change the configuration of other ports. Each port must be configured separately.

6. Pin Configurations



Terminal Connector			DB9			
TB Pin	4 wire RS-422/485	2 wire RS-485	Pin	RS-232	RS-422/485 4W	RS-485 2W
			1	DCD[In]	RDA (-)	DATA A (-)
A	RDA (-)	Data A(-)	2	RXD[In]	RDB (+)	DATA B (+)
B	RDB (+)	Data B(+)	3	TXD[Out]	TDB (+)	N/C
C	TDB (+)	N/C	4	DTR[Out]	TDA (-)	N/C
D	TDA (-)	N/C	5	GND	GND	GND
E	GND	GND	6	DSR[In]	N/C	N/C
			7	RTS[Out]	N/C	N/C
			8	CTS[In]	N/C	N/C
			9	RI[In]	N/C	N/C