Quick Start Guide

B095-003-1E-M and B095-004-1E

This Quick Start walks you through installation, configuration and local operation. For more details please refer to the *User Manual* on the CD-ROM.

Check Kit Contents

| B095 Console Server | UTP Cables (2) and DB9F-RJ45F Straight and Cross-Over Adapters | Quick Start Guide & CD-ROM | AC Power Adapter |

Connect the Hardware

• Plug the console server into a power supply (PDU, surge or UPS) using the provided AC power adapter.

• Connect the *NETWORK* port on the console server to your network, connect your serial devices to any of the console server's *SERIAL* ports.

• For out-of-band (OoB) dial-in access on the B095-003-1E-M, connect the internal MODEM port to the phone line. For out-of-band (OoB) dial-in access on the B095-004-1E, you can connect an external modem to either the USB Type A port or one of the serial ports.

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Setup the B095 Console Server

The default console server IP address is *192.168.0.1* (subnet mask *255.255.255.0*). With a web browser on any computer that is LAN connected to the console server:

• Enter **https://192.168.0.1** into the address bar.

• Log in using the default system user name *root* and the default password *default*, a *Welcome* screen listing the basic configuration steps is displayed.

• Select *System: Administration*, enter and confirm a new *System Password* and click **Apply**.

Note: The LAN connected computer must have an IP address in the same network range (192.168.0.xxx) as the B095 console server. Alternately you can use the ARP Ping command to set the IP address (refer to the User Manual). The console server DHCP client is enabled by default, so it will automatically accept any network IP address assigned by any DHCP server on your network – and will then respond at both 192.168.0.1 and its DHCP address.

• To assign your console server a static IP address or to permanently enable DHCP, select *System: IP* then check *DHCP* or *Static* for *Configuration Method*.

Configure Serial & Network Devices

• Select *Serial & Network: Serial Port* to display the labels, modes and protocol options currently set for each serial port—by default all serial ports for B095- and B096-Console Servers are set in Console Server mode (refer to the *User Manual* if other modes are required). Serial ports on the B092-016 are set to UPS (PowerAlert) Device mode.

• To configure a serial port, click **Edit**.

• Configure the *Common Settings* (Baud Rate, Parity, Data Bits, Stop Bits and Flow Control) to match those of the device being controlled.

• Select the *Console Server* protocols (Telnet, SSH, TCP and RFC2217) that are to be used for the data connection to that port.

• A *Logging Level* may also be set to specify the level of information to be logged and monitored for each port. Click **Apply**.

• To access locally networked computers (referred to as Hosts) through the console server select *Serial & Network: Network Hosts* and click **Add Host**.

• Enter the *IP address/DNS Name* of the host.

• Edit the *Permitted Services* used for accessing this host, e.g. HTTPS (TCP port 443), VNC (TCP port 5990) or add custom TCP or UDP port numbers – only the services specified here are tunneled to the host, all other services are blocked.

• You may now specify the level of information to be logged and monitored for each host access. Click **Apply**.

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Add New Users

Note: It is recommended that you set up a new Administrator user (in the admin group with full access privileges) and login as this new user for all ongoing administration functions (rather than continuing as root).

• For each new user, select *Serial & Network: Users & Groups* and click **Add User**.

• Enter a *Username* and enter and confirm a *Password,* and nominate the *Accessible Hosts* and *Ports* the user is allowed to access, then click **Apply**.

Configure Dial-In Access

For dial in modem access you must set up PPP with a user account:

• Select *System: Dial* and select the port to be configured (either *Internal Modem Port* or *Serial Port 1/ External USB Type A Port* for B095-004-1E with external modem).

• Set the *Baud Rate* and *Flow Control* that will be used on the modem link. When using a console server with a built-in modem, it is recommended that this be changed to 115200 *Baud Rate* with hardware *Flow Control.* When connecting an external modem to Serial Port 1 or the USB Type A port on the B095-004-1E, these settings must match that of the external modem.

• Check *Enable Dial-In Access* and configure the *Dial-In Settings* (Username, Password, Remote and Local PPP IP Address field, Authentication).

• Click **Apply**.

• If you wish additional dial-back security, check *Enable Dial-Back* and enter the phone number to be called to re-establish an OoB link once a dial-in connection has been logged.

Advanced Configurations

The B095 console server offers many more advanced functions including:

• The *Alerts & Logging: Alerts* facility which monitors serial ports, hosts, user log ins, UPS and PDUs. A broad selection of trigger events (such as data patterns, temperature or battery levels) can be specified. When triggered a warning email, SMS, Nagios or SNMP alerts are sent to a nominated destination.

• Extensive management of Tripp Lite and third party UPSs and PDUs using open source *NUT* and *Powerman* tools. The *Manage: Power* facility enables both administrators and regular users to monitor and control attached PDU power strips, and servers with embedded IPMI BMCs.

• Historical logs of all communications with serial- and network-attached devices, system activity, UPS and PDU power status, environmental status, etc. The level of logging is set as ports and devices are configured, *Alerts & Logging: Port Log* allows this history to be saved locally or remotely. Logs can be viewed from the *Status* and *Manage* menus.

- Other advanced features, such as *Serial Port Cascading*, remote *Authentication*, *Trusted Networks, Secure Tunneling, Nagios Distributed Monitoring*, the *Command Line* interface – these are covered in detail in the *User Manual* on the CD-ROM.

*Note: On the CD-ROM you will also find the SDT Connector software tool which provides you with secure, point and click access to the console server and all the attached devices. **Refer to SDTConnector Quick Start for set up details**.*

VirtualPort

On the CD-ROM, you will also find VirtualPort software which enables applications on your Windows PC (or Windows server or virtual server) to control serial port devices attached to a remote B095 console server.

- To use VirtualPort configure the B095 serial port in *console server* mode and specify the appropriate protocol to be used (either *RFC2117* or *RAW*).
- Install the VirtualPort client on your Windows® PC.

Refer to the VirtualPort *Quick Start* or the *User Manual* on your CD-ROM for more details.

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