1. **Package Contents**

- 1 SN3101 Serial Device Server
- 1 Power Adapter
- 1 DC Terminal Connector
- 1 Mounting Kit
- 1 User Manual
- 1 Quick Start Guide
- 1 Software CD

2. **Restrictions and Requirements**

- Sun’s Java 2 JRE 1.4.2 or higher must be installed on your computer. Java is available for free download from the Sun Java website: http://java.sun.com
- The devices that connect to the SN3101 must support one of the following serial protocols: RS-232 (protocol or terminal operations), RS-422, RS-485.
- The Virtual COM port driver (Real COM port) support requires Windows 2000 or higher.
- Under Vista (32-bit version), only the administrator can install the Virtual Port Management Utility – ordinary users can only operate the mapped Real COM ports.
- The current Linux TTY driver supports kernels up to version 2.6.19.

3. **Hardware Review (Front View)**

   1. Power LED
   2. Link LED
   3. 10/100 Mbps Data LED
   4. Tx/Rx (ACT) LED
   5. Grounding Terminal
   6. Serial Port
   7. Reset Switch

4. **Hardware Review (Rear View)**

   1. DC Terminal
   2. DC Jack
   3. LAN Port

5. **Mounting**

   For flexibility and convenience, the SN3101 can be wall mounted or DIN rail mounted, as described in the sections that follow.

   **Wall Mounting**
   
   To wall mount the SN3101:
   1. Use the smaller screws supplied with the Mounting Kit to screw the mounting brackets into the back of the unit.
   2. Screw the mounting brackets to the wall.

   **DIN Rail Mounting**
   
   To mount the SN3101 on a DIN rail:
   1. Screw the mounting brackets to the back of the SN3101 as described in step 1 of the wall mounting procedure.
   2. Use the larger screws supplied with the Mounting Kit to screw the DIN rail brackets to the mounting brackets – as shown in the diagram, below.
   3. Hang the unit on the DIN Rail.
Hardware Installation

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To install the SN3101, do the following:
1. If you intend to use the DC terminal, screw the DC terminal connector to the block — as shown in the following diagram.

Refer to the installation diagram as you do the following:
a. Use a null modem cable to connect the SN3101’s serial port to your serial device.
b. Ground the device.
c. Plug the cable that connects the SN3101 to the network or the Internet into the LAN port.
d. Connect the DC power source to the device.

SN3101 Installation Diagram:

SN3101          Serial Device

Logging In

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SN3101 operation is Internet browser based. To begin:
1. Open your browser and specify the IP address of the SN3101 you want to access in the browser’s URL location bar.

   Note: If you are logging in for the first time, use SN3101’s default IP address: 192.168.0.10.

3. A login dialog box, like the one below, appears:

   ![Login Screen]

4. Provide a valid Username and Password (set up by the administrator), then Click Login to continue.

   Note: If you are the administrator, and are logging in for the first time, use the default Username: administrator; and the default Password: password. For security purposes, we strongly recommend you change these and give yourself a unique Username and Password.

After you have successfully logged in, the Main Screen appears:

<table>
<thead>
<tr>
<th>Function</th>
<th>Specification</th>
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</table>
| Connectors | Serial: 1 x DB-9 M (Black)  
Network: 1 x RJ-45 (Black)  
Power: PWR1: 1 x 2-pin Terminal Block (Green)  
PWR2: 1 x DC Jack (Black) |
| Switches | Reset: 1 x Semi-recessed Pushbutton |
| LEDs | Power: 1 x Green  
Link: 1 x Green  
10/100 Mbps: 1 x Orange/Green  
Full Duplex (ACT): 1 x Green |
| Power Input | PWR1: 12—48V DC (2-pin Terminal Block)  
PWR2: 9—30V DC (Power Adapter Jack) |
| Power Adapter | 100—240V AC, 50–60 Hz |
| Power Line Protection | EMI Interference (EFT), EN61000-4-4 2KV surge, EN61000-4-4 |
| Power Consumption | 5V, 2.7W |
| Serial | Standards: RS-232/422/485, Software selectable  
Band Rate: 460Kbps  
RS-232 Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND  
RS-422 Signals: Tx+, Rxs, Rx+, Rx-, RTS+, RTS-, CTS+, CTS-, GND  
RS-485 Signals: Data+, Data-, GND |
| Interfaces | Power: 5V, 2.7W |
| Network | Protocols: ARP, DHCP, DNS, HTTP, HTTPS, ICMP, IP, TCP, UDP, NTP/PPP/RADIUS, Telnet, SNMP, SMTP, TFTP, RADIUS, SMTP, SSH |
| Regulatory Approval | FCC Class A, CE Class A, RoHS |
| Environment | Operating Temp: -40–60°C  
Storage Temp: -20–85°C  
Humidity: 0–95% RH, Non-condensing |
| Physical Properties | Housing: Metal  
Weight: 0.22 kg  
Dimensions (L x W x H): 10.69 x 7.90 x 2.44 cm |