

HighTek HK-8101D

Industrial Grade RS232/422/485 Serial Device Server

User Manual

I. Summary

HK-8101D is a style of high performance, low-power, stabilize positive 1-port serial device server. You can fast control your equipments through the Ethernet via this product.

II. Features

- 10/100M self-adaptive Ethernet interface
- RJ45/25 Stylus, RS232 male connector plug, DTE style
- Support for multiple hosts to share with equipment
- Drive the COM port under the Windows NT/2000/XP/7 platform
- Fixed TTY Driver under the SCO Unix platform
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- PPP dial-up connection authentication (PAP/CHAP/RADIUS)
- Simple-to-use management program under the Windows platform
- Provide security mechanisms of network access (IP / MAC)
- Offer all the C source code to visit IP under the Socket platform to visit IP and use IP serial ports under any OS supporting TCP/IP

III. Hardware

Serial port: 1 RS-232/RS422/RS485

Ports connection type: Ethernet port: RJ45;
RS232/422/485 port: DB9 pin

Signal: RS232: TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND

RS485 HALF: DATA+, DATA-, GND

RS485 FULL: TXD+, RXD+, TXD-, RXD-, GND

RS422: TXD+, RXD+, TXD-, RXD-, GND

Data bits: 5, 6, 7, 8

Examination: None, Even, Odd, Space, Mark

Stop bit: 1, 1.5, 2

Flow control: RTS/CTS, XON/XOFF

Speed: 300 bps to 460800 bps

Protocol: DHCP, Telnet, TCP, UDP, IP, ICMP, ARP

Real Com Driver: Windows NT/2000/XP/7

TTY Driver: SCO UNIX, Linux

Configuration: CONSOLE port in RS-232, Telnet

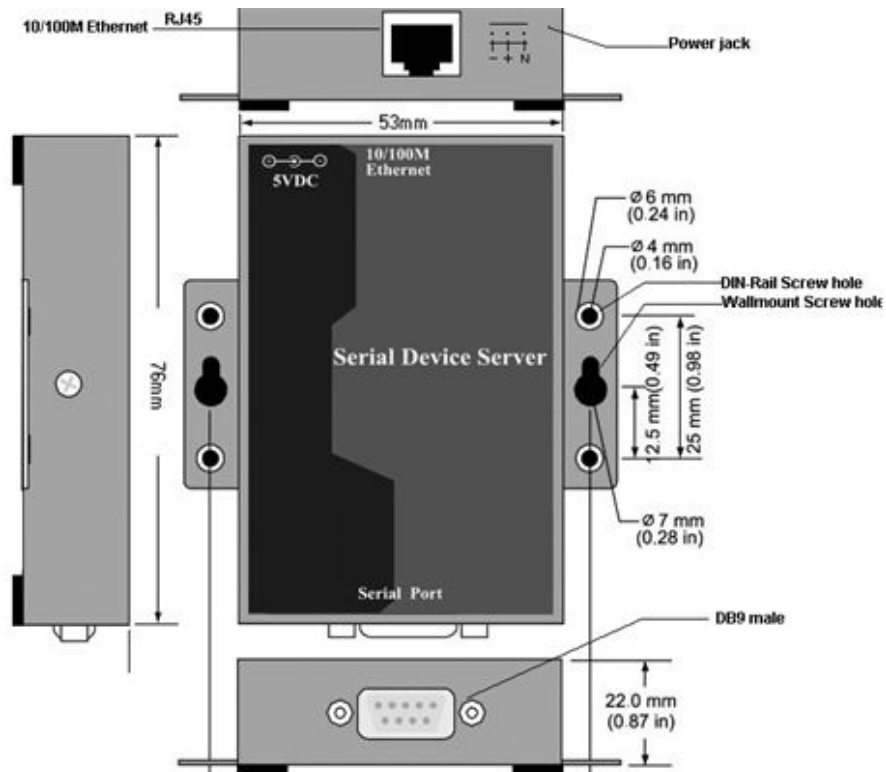
Software support: Windows NT/ 2000/ XP/ SCO UNIX/ LUNIX

Power Input: 110~230V AC, 9~36V DC

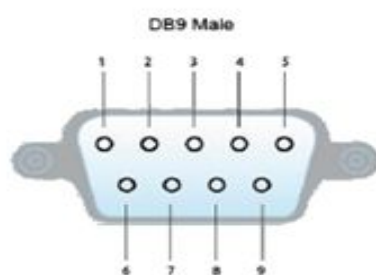
Operating Temperature: -10 to 70 °C

Operating Humidity: 5 to 95%

Store Temperature: -40 to 80 °C



IV. RS232/422/485 pin definition



P N	RS-232	RS-485 HALF	RS-485 FULL	RS-422
1	DCD			
2	RXD	DATA-	TXD -	TXD -
3	TXD	DATA+	TXD +	TXD +
4	DTR			
5	GND		GND	GND
6	DSR			
7	RTS		RXD +	RXD +
8	CTS		RXD -	RXD -
9				

V. Warranty

1. Products can replace within one month after sale;
2. One year warranty after sale;
3. The malfunction and damaged caused by the other barriers (man-made factors or external device) are not warranted.