

CSE-H25

(Secure Serial Ethernet Converter)



Overview

CSE-H25为可以远程控制并管理串口设备而连接到以太网或是因特网的符合工业用温度参数的(-40°C ~ +85°C)外置型串口<->以太网的转换器。

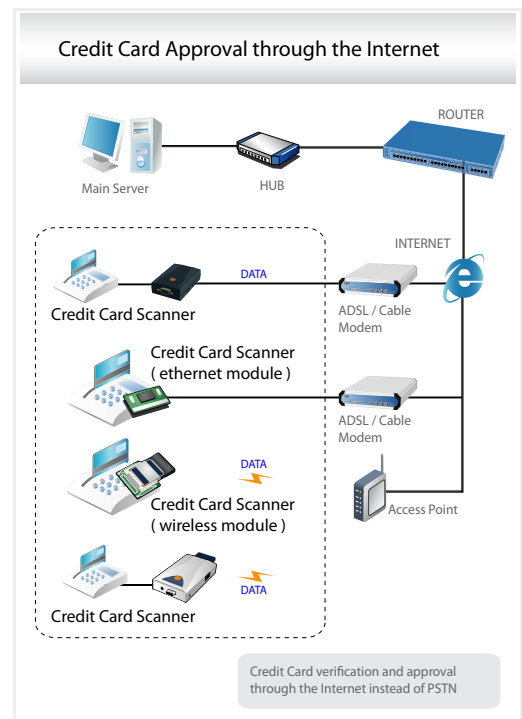
CSE-H25连接到现有设备中,在不改变现有软件系统下可以方便地连接到网络。

CSE-H25具有多数Host监视一个RS232端口的远程控制技能与强大的SSL, SSH等技能。

Highlights

- 10Base-T or 100Base-TX 以太网络(自动检测)
- 支持工业用温度(-40°C~+85°C)
- 最大230,400bps的RS232端口
- 自动搜索LAN 10M/100M,自动监视LAN 1:1/交叉电线
- 强大的安全功能(SSL3.0/TLS1.0, SSH2.0, IP filtering, Password)
- 远程控制功能
- 支持DHCP, PPPoE(适用于多样的流动IP环境)
- 支援多样化的HOST连接模式(TCP 服务器, TCP客户端, UDP)
- 利用AT命令而控制的通信技能及提供设定功能(专利)
- 提供多样的通信检验功能(debugging mode, ezManager, TELNET)
- Host name lookup功能(DNS)
- 在流动IP环境下,通过HOST可作为服务器使用(DDNS)
- 在流动IP环境下有用的IP地址通报功能(DDNS)
- 通过Telnet Com Port Control Option(RFC2217)支援简单的串口端口控制
- 提供使用简单的远程设定实用程序(ezManager)
- 无偿提供用于PC用串口<->TCP/IP的虚拟系统(ezVSP)
- 提供通过以太网端口固件升级的功能
- 遵守欧洲环境法规RoHS的环保产品

Applications



Specifications

*Serial Physical Interface

Serial Interface
1 x RS232 Port
RXD, TXD, RTS, CTS, DTR, DSR
±15KV ESD Protection
Connector
1 x DB9M Connector

*Serial Port Property

Data Rate
300 bps ~ 230400 bps
Data Bits
5, 6, 7, 8 bits
Parity
None, Even, Odd, Mark, Space
Stop Bit
1, 1.5, 2
Flow Control
RTS/CTS Hardware

* Network Physical Interface

Network Interface
RJ45 (10Base-T/100Base-TX Ethernet)
Ethernet Speed Auto Sense
1:1 or Cross-over Cable Auto Sense
1000 VAC Isolation

* Software Functions

Protocols
TCP, UDP, IP, ICMP, ARP, Ethernet, TELNET
TFTP, DHCP, PPPoE, DNS, DDNS
Telnet COM Port Control Option (RFC 2217)

Security

SSL (Secure Socket Layer)
SSH (Secure Shell)
IP & MAC filtering - Restrict host or network
Password for Configuring

Communication Mode

TCP server (T2S)
TCP client (COD)
TCP server/client with AT command (ATC)- Patent
UDP mode (U2S)

Additional Functions

Multi Monitoring
Remote Debug Function
TCP server / client mode
Sending MAC address Option

* Indicators(LEDs)

Power
Red
Status
Yellow, The current status
Ethernet Link
Green - Ethernet Link
Ethernet RXD
Yellow
Ethernet TXD
Green

* Processors

CPU
ARM7 Core
ROM
256K bytes Flash Memory
RAM
64K bytes SRAM

* Management

ezManager
Configuration and Monitoring Tool through Ethernet
Telnet
Telnet Login
AT Command
Configuring in ATC mode - Patent

* Supplementary Software

ezManager
Configuration Tool for Windows
ezVSP
Serial to Network Virtual Driver for Windows
ezTerm
Simple TCP/IP Communication Test Tool
hotflash
Firmware Upgrade Utility for Windows

* Dimension

Size
89mm x 57mm x 24mm
Body Netweight
about 70g

* Operating Environment

Input Voltage
DC 5±0.5V
Power Consumption
200mA typical
Operating Temperature
-40 °C ~ 85 °C
Storage Temperature
-40 °C ~ 85 °C

* Approvals

CE
F690501/SP-EMY000211
KCC
SLS-CSE-H25 (A)

* Emissions

EN55022:1998/A1:2000/A2:2003 (Class A)
EN61000-3-2:2006
EN61000-3-3:1995/A1:2001/A2:2005

* Immunity

IEC61000-4-2:1995/A1:1998/A2:2001
IEC61000-4-3:2006
IEC61000-4-4:2004
IEC61000-4-5:2006
IEC61000-4-6:2007
IEC61000-4-11:2004

System Diagram

