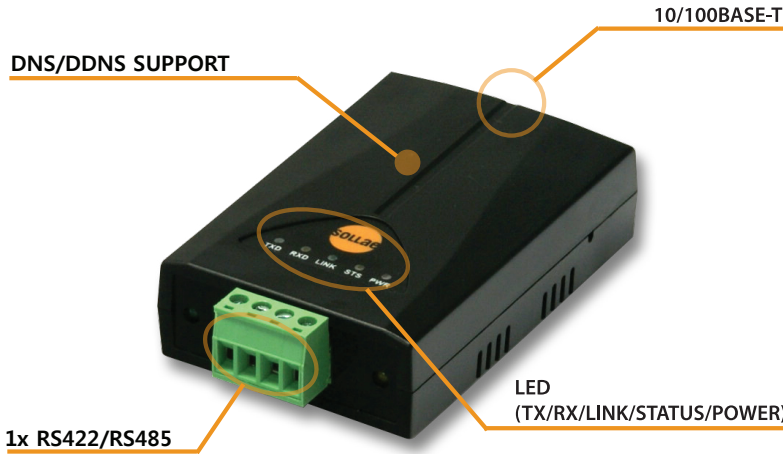


CSE-H55

(RS-422/485 Ethernet Converter)



Highlights

- Monitoring and Controlling remote serial devices
- 10/100Base-T Ethernet
- RS422/RS485 (Terminal Block)
- Industrial Temperature Specification (-40°C ~ +85°C)
- Powerful communication status checkup(debugging mode, ezManager, Telnet)
- Flexible configuration and network communication by 'AT Commands' (patent)
- Supports communication with variety of TCP/UDP hosts(TCP Server/Client, UDP)
- Supports DHCP and PPPoE for xDSL and cable network
- Supports 'DNS' protocol for simple connection to the Internet
- Supports Dynamic IP environment: DDNS, IP Change Notification
- Easy configuration utility via network for Windows OS (ezManager)
- Virtual COM Port Redirector 'ezVSP' for Windows OS(provided free of charge)
- Firmware is upgradable through network
- Environmentally-friendly RoHS compliant

Overview

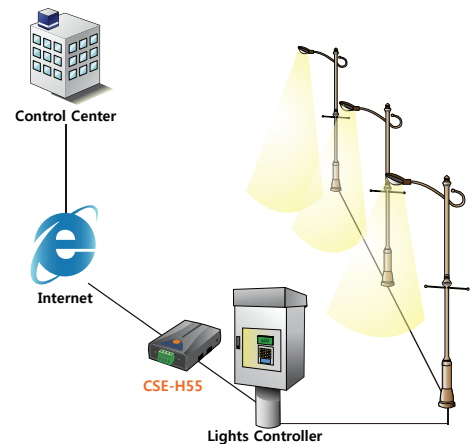
CSE-H55 is a cost-effective RS422/RS485 to Ethernet TCP/IP device server.

CSE-H55 supports industrial temperature specification(-40°C~+85°C) so it can be used in various temperature environment.

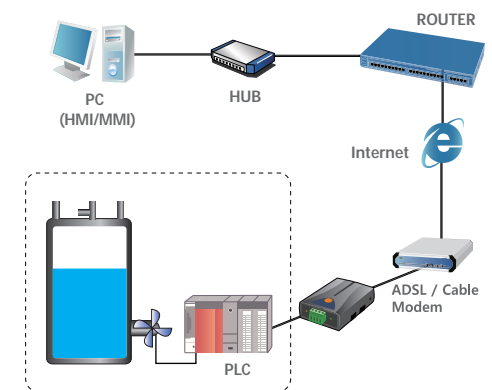
It embeds various powerful communication functions, debugging function, DNS, DDNS, and etc. So users can adapt it to various communication environments.

Applications

Streetlights Control System



Control PLC over Internet



Specifications

Serial Physical Interface

Serial Interface
RS422 / RS485
TX+, TX-, RX+, RX- / TRX+, TRX-
Connector
5mm Pitch Terminal Block

Serial Port Property

Baudrate
300 bps ~ 230,400 bps
Data Bits
5, 6, 7, 8 bits
Parity
None, Even, Odd, Mark, Space
Stop Bit
1, 2

Network Physical Interface

Network Interface
10Base-T/100Base-TX Ethernet (RJ-45)
Ethernet Speed Auto Sense
1:1 or Cross-over Cable Auto Sense

Software Functions

Protocols
TCP, UDP, IP, ICMP, ARP, Ethernet, TELNET
TFTP, DHCP, PPPoE, DNS, DDNS
Security
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
Remote Debug Function
TCP server / client mode
Sending MAC address Option

Indicators(LEDs)

Power
Red
Status
Yellow
Ethernet Link
Green
Ethernet RXD
Yellow
Ethernet TXD
Green
Serial RXD
Yellow
Serial TXD
Green

Processors

CPU
ARM Cortex-M3 Core
ROM
64K bytes Flash Memory
RAM
16K 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
94mm x 57mm x 24mm
Body Netweight
about 66g

Operating Environment

Input Voltage
DC 5V ±0.5V
(Reverse Voltage Protection Function)
Protection
Over Current Protection
Reverse Voltage Protection
Power Consumption
110mA typical
Operating Temperature
-40°C ~ 85°C
Storage Temperature
-40°C ~ 85°C

Approvals

CE
F690501/SP-EMY000313
KCC
SLS-CSE-H55 (A)

Emissions

EN55022:2006 (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

