Bridging the Gap between Real World and Computer

EMC-7432/85

RoHS

Ethernet Module to RS232/422/485 Converter

Software key function

Features

► **8 bit TTL I/O**
► **Isolated RS422/485 (EMC7485) to Ethernet**
► **RS232 (EMC7432) to Ethernet**
► **Baudrate up to 921.6K**
► **Wide power range**
► **10/100M auto detection**

Introduction

EMC7432 is an ethernet communication module for RS232, ,while EMC7485 for RS422/RS485.

The EMC7485 has isolated differential signals for better long distance connection.

All the modules have 8 bit TTL I/O for extra control or signal input requirement.

Software Support

► **PC OS Support**
  Windows 2000/XP and later.
  Embedded XP, Win CE (at request)

► **Library**
  DLLs , VI library

► **Develop Software**
  Visual C++ , Visual Basic ,
  Borland C/C++ Builder , LabVIEW etc

► **Example Source Code**
  Visual Basic

Ordering Information

► **EMC-7432 :** Ethernet module to RS232 (8 TTL IO) Module
      (include M23406)
► **M23406 :** 9 pin D type male cable 10cm
► **EMC-7485 :** Ethernet module to RS422/485 (8 TTL IO) Module
► **JD52000 :** 110/220Vac to 24Vdc @1.5A power supply
► **JS52026 :** 110/220Vac to 24Vdc @0.75A power adapter

Specifications

EMC7432
► Baudrate : 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 921600
► Data Bits : 5, 6, 7, 8
► Stop Bits : 1, 1.5
► Parity : None, Even, Odd

EMC7485
► Isolation : magnetic coupler
► Baudrate : 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 921600
► Data Bits : 5, 6, 7, 8
► Stop Bits : 1, 1.5
► Parity : None, Even, Odd

TTL I/O
► Input Logic high level : 2V(min)
► Input Logic low level : 0.4V(max)
► Output Logic high level : 2.4V(min)@8mA
► Output Logic low level : 0.4V(max)@8mA
► Over-voltage protection : 60Vdc(max)
► Over-current protection : 50mA(max)
► Counter speed : 200Hz(max) square wave

Ethernet
► 10/100M auto switch

General
► Power Requirement : 12Vdc ~24Vdc
► Operation Temperature : 0 to +70 degree C
► Storage Temperature : -20 to +80 degree C
► Operation Humidity : 5~95% RH, non-condensing
► Dimensions : 89(D)*110(W)*34(H) mm
              3.5(D)*4.33(W)*1.39(H)in

Applications
► For RS232/422/485 to ethernet conversion
► For ethernet to RS232/422/485 conversion

Ethernet Module Series