Industrial Serial RS232/RS485/RS422 Fiber Optic Modem

Features

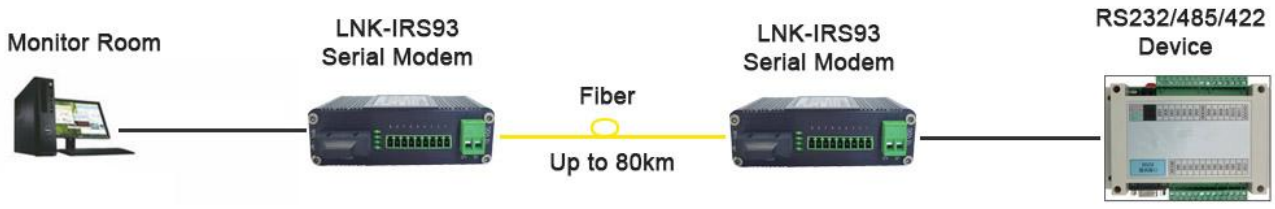
- Plug-and-play, hot pluggable
- Extends Bi-directional RS-232/RS-485/RS-422 up to 2Km on MMF, 80Km on SMF
- EIA /TIA standard RS232/485/422, 0~2Mbps rate
- Serial data is fully transparent, baud rate is self-adaptive, no setting is required
- The high speed serial data can used for DMX512 communication in Stage Lighting Control
- Support DIN-Rail & Wall-mount installation.
- Built-in surge and static protection
- Diagnostic and unit indicator LEDs
- Environmentally Hardened -40° C to 75° C (-40° F to 176° F) operating temperature



Overview

LNK-IRS93 series is an industrial grade RS232/RS485/RS422 to fiber optic converter which converts a standard RS232/RS485/RS422 signal to a fiber optic link as to extend the signal up to 2Km on multimode fiber and 80Km on single mode fiber. The use of optical fiber communication solves the problems of electromagnetic interference, ground ring interference and lightning damage. It greatly improves the reliability, security and confidentiality of data communication, and can be widely used in various industrial control, process control, Stage Lighting Control and traffic control occasions.

Application



Technical Indexes

Model	LNK-IRS93 Series
Fiber Connector	SC standard, ST/FC/LC optional
Fiber Distance	50/125um MMF: 2Km, 62.5/125um MMF: 5Km, 9/125 SMF:20/40/60/80Km
Serial Interface	Industrial Terminal
Signal Ports	1Ch RS232 - 1Mbps 1Ch R485 - 1Mbps 2Ch RS485H- 2Mbps 2Ch RS485H can be grouped into 1Ch High Speed RS422
Standard	EIA /TIA RS232/485/422
Serial Distance	RS232: 15 meters, RS485/422: 1000 meters
Rate	Max 2Mbps
RS-232	TXD, RXD, GND - Bi-directional
RS-485	D+, D-, GND - Bi-directional
Power Supply	DC12~48V
Power rate	<5W
Static protection	15KV electric static discharge (ESD) protection
Surge protection	1500W/sec surge protection
Operation Temperature	-25°C to +75°C
Storage Temperature	-40°C to +85°C
Storage Humidity	5%~90% non-condescending
Dimensions	95(L)*70(W)*29(H) mm
Weight	0.25kg/pcs

Ordering Information

Model	Description
LNK-IRS93-SFP	Industrial Serial RS232/RS485/RS422 with SFP port
LNK-IRS93-SCMM	Industrial Serial RS232/RS485/RS422 , SC MM 850nm, 550m
LNK-IRS93-SC20	Industrial Serial RS232/RS485/RS422 , SC SM 1310nm, 20km
Mounting Options	► Default DIN-Rail Bracket installed, Wall Mount Bracket is included.
Power Options	► Power Supply is to be purchased separately