KODT Indusrial Data Optic Terminal

↗ Overview

KODTseries is specially designed for industrial application by Kyland Telecom. It comes as the combination of serial data transfer, Ethernet and Synchronous Voice technology to communicate for industrial process control.

FC CE

KODT2200

↗ Overview

KODT2200 series contains KODT2200 and KODT2200B.

↗ Features

◆ Able to form complex networks

◆ Fast redundant ring network (recovery time<20ms)

◆ Output interface for fiber port alarm

◆ Double master station backup protection

◆ Bus data interface according with standards of RS232, RS422 and RS485

◆ Transparent transmission for serial data accepts different bus

◆ 8 full duplex data channels, 8 x 8 digital cross−connection

◆ Bus control arbitration for the data conflict

◆ Level reversion and conversion for data interface

◆ Powerful, user−friendly and protocol−open management system

◆ Various options of fiber port, structure and connection platform for different requirements

◆ Rich options of power supply for different computer rooms

◆ Perfect data port with electromagnetic immunity

⬈ Parameters

Data Interface

Bit Error Rate: ≤10−10

Asynchronous rate: 0−115.2Kbps (Adaptive)

Electric characteristics:Accord with relevant requirements of Standards RS232, RS422, RS485; RS−485 interface can be connected to 32−128 nodes; transmission distance: 1200 meters

Physical interface: DB15−hole

Fiber Optic Interface

Transmitting Optical Power： >−13dbm（single mode）
　　　　　　　　　　　　 >−20dbm（multi mode）

Receiving Sensitivity： <−28dbm（single mode）
　　　　　　　　　　 <−34dbm（multi mode）

Line rate： 32Mbit/s

Connector： FC /SC

Power requirements

Power input：DC+5V、+12V、+24V、±48V、AC220V

Power consumption：<2W(KODT2200),<3w(KODT2200B)

Ambient conditions

Cascade station: 200 max

Operating temperature: −35℃ to +75℃

Storage temperature: −45℃ to +85℃

Relative humidity (non−condensing): 10% to 95%

Warranty   5 years

⬈ Electromagnetic Compatibility

Testing Standard	Description	Specification	Grade	Performance
61000−4−2	Electrostatic discharge（ESD）	Air discharge ± 8kV	Level3	A
		Contact discharge ± 4kV	Level3	A
IEC 61000−4−4	Electrical fast transient（EFT）	Power interface ± 2kV(common −mode coupling, 1 min)	Level3	A
		Data interface ± 1kV(common −mode coupling, 1 min)	Level3	A
IEC 61000−4−5	（Surge）	Power interface ± 1kV（Differential−mode）	Level3	A
		Data interface ± 2kV（common−mode）	Level3	A

⬈ Mechanical construction

KODT2200： 158mm x 28mmx129mm (W x H x D)
KODT2200B： 482.6 mm x 44mm x 140mm (W x H x D)
Mounting： Wall mounting

⬈ Order Information

Model	Fiber Connector	Data Interface
KODT2200 −2S−FC	2(pair) x FC	4 x RS232, 2 x RS232/RS485
KODT2200B−2S−FC	2(pair) x FC	8 x RS232, 4 x RS232/RS485
KODT2200B−4S−FC	4(pair) x FC	8 x RS232, 4 x RS232/RS485
KODT2200 −2S−SC	2(pair) x SC	4 x RS232, 2 x RS232/RS485
KODT2200B−2S−SC	2(pair) x SC	8 x RS232, 4 x RS232/RS485
KODT2200B−4S−SC	4(pair) x SC	8 x RS232, 4 x RS232/RS485

⬈ Applications

◆ Electric Power Grid Automation

◆ Digital Monitor of Transportation

◆ Water Treatment

◆ Digital Processing of Water Supply

◆ Factory Process Control

◆ SCADA System

◆ Building Automation

◆ Other Control System for Remote and Distributed Serial Port Equipments

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