

FAST ETHERNET MEDIA CONVETER MODEL: DYS1100 SERIAL

Overview:

DYS1100 Series Fiber Media Converters Card can convert Optical-Electric Ethernet signals between 10/100M UTP interface (TX) and 100M optical fiber interface (FX). It can extend traditional 10/100M fast Ethernet to the distance of 120km through optical fiber link. It possesses stable performance and good quality by adopting latest IC packages from USA and Taiwan. 6 Group LED indicated lights could fully monitor the working conditions of Converters. It is easy for end users to observe network operation. DYS1100 Serial Media Converter Card could be used alone, them can inserted to 14 slots Converters Rack supplied by DYS Crop (RACK2000-14). Suitable for the use of Network Centre...

Picture:



Main features:

- Auto negotiation function allows UTP port to auto select 10M or 100M, and Full Duplex or Half Duplex auto-sensed.
- UTP port supports MDI/MDI-X auto crossover.
- Indicator function of link fault (LFP): When optical fiber or UTP is at fault, the converter could stop all the link.
- Multiple Optical Transceiver could be chosen: SC, ST or FC, single-mode / multi-mode
- Supporting 1600 bytes packet for management
- Converter working mode could be chosen: Store and forward switch mode, Modified cut-through switch mode, or Converter mode.
- Internal Circuit of prevented thunder could greatly reduce damage of the converter caused by thunderbolt induction.
- Internal or External switching power: for users to choose.

Specifications:

Operating standards: IEEE802.3 10Base-T Ethernet, IEEE802.3u,100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control

MAC addresses table: 1K

Data buffer: Built-in 128Kbyte RAM

Connectors: UTP Connector: RJ-45, 10/100Base-T,

Fiber Connector: ST/SC/FC, 100Base-FX

Cable:

UTP: Cat. 5 (the max distance up to 100m)

Dual-fiber Multi-mode: 550m (Fiber size: 62.5/125 μ m)/2Km (fiber size: 50/125 μ m)

Dual-fiber Single-mode: 25/40/60/80/100/120Km; Single-fiber Single-mode: 25/40/60/80Km.

Flow Control

Full Duplex: Supporting standard IEEE802.3x

Half Duplex: back pressure

1. Ethernet Port

- Compatible with IEEE 802.3 series Standards
- Speed: 10/100Mbps auto-negotiation

- Duplex: Half/full auto-negotiation
- Connectors: RJ45 Jack
- MDI/MDI-X crossover automatically
- 2. Optical Port
 - Wavelength: 850nm/1310nm/1550nm
 - Single mode/Multimode Optional
 - Up to 120km transmission distance
 - SC/PC, ST/PC and FC/PC optional (Or SFP Slots)
- 3. Power
 - Input DC: 5 VDC
 - Consumption: Standalone < 1W
- 4. Power Adapter
 - Input: 85VAC~265VAC, 0.2A, 50/60Hz
 - Output: 5VDC, 1A
- 5. Environment
 - Temperature: 0°C ~ 70°C;
 - Humidity: 5% ~ 90% (25°C);
- 6. LEDs
 - PWR, FDX, LINK, ACT, FX, TX 100

Information Order:

Type	Connector	Fiber type	Wavelength (nm)	Max. distance	TX power (dBm)	Sensitivity	Link Budget
DYS1100-SC-1	SC Duplex	Multi-mode	850	2Km	-13~-8	-30dBm	17dBm
DYS1100S-SC-25	SC Duplex	Single-mode	1310	25km	-14~-8	-32dBm	19dBm
DYS1100S-SC-40	SC Duplex	Single-mode	1310	40km	-8~-3	-33dBm	25dBm
DYS1100S-SC-60	SC Duplex	Single-mode	1310	60km	--3~0	-36dBm	33dBm
DYS1100S-SC-80	SC Duplex	Single-mode	1550	80km	-10~-5	-35dBm	25dBm
DYS1100S-SC-100	SC Duplex	Single-mode	1550	100km	-5~0	-36dBm	31dBm
DYS1100S-SC-120	SC Duplex	Single-mode	1550	120km	0~+3	-36dBm	36dBm
DYS1100SS-SC-25	SC Simplex	Single-mode	1310/1550	25km	-14~-8	-32dBm	23dBm
DYS1100SS-SC-40	SC Simplex	Single-mode	1310/1550	40km	-8~-3	-33dBm	28dBm
DYS1100SS-SC-60	SC Simplex	Single-mode	1490/1550	60km	-3~0	-36dBm	33dBm
DYS1100SS-SC-80	SC Simplex	Single-mode	1490/1550	80km	-10~-5	-35dBm	29dBm

DYSFO

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