Optical Data Converter
ODC-120

ODC-120 (front view)

ODC-120(rear view)

OVERVIEW

ODC-120 is a media converter that can convert one RS-232 and/or one RS-422/485 ports to be transmitted over a single fiber or two fibers. A DIP switch is used to setup two-wire/ four-wire operation mode and to enable internal termination for RS-422/485 port, and to configure RS-232 port to operate in either DTE or DCE mode.

ODC-120 series are available in type of compact stand-alone box that can meet versatile field installation demands like on desktop and wall-mount.

FEATURES

◆ Convert one RS-232 and/or one RS-422/485
◆ Complies with EIA/TIA-232, EIA/TIA-574 and
◆ CCITT V.28 standards
◆ Complies with EIA/TIA-422, EIA/TIA-485
◆ Distance Up to 5km with multimode fiber
◆ Distance Up to 120km with single mode fiber
◆ Clear LED Indications
◆ MTBF > 50000 Hours
◆ Compact size: 68×101×30mm

SPECIFICATIONS

RS-232

Data Format	Asynchronous Serial Data
Data Rate	Up to 115.2Kbps
Connector Type	DB-9

RS-422/485

Data Format	Asynchronous Serial Data
Data Rate	Up to 128Kbps
Distance	1200m
Connector Type	5-pin Phoenix Connector with 3.5mm Pitch

Optical Interface

Single Mode Fiber	9/125μm
Multimode Fiber	50/125, 62.5/125μm
Connector Type	SC/ST/FC

Power

Power	Ext. power supply DC 12V, 1A

Environment

Ambient Temperature	-20 °C ~ 75 °C
Storage Temperature	-20 °C ~ 85 °C
Humidity	0 ~ 95% (Non-condensing)

Dimension

Cassette	60 x 100 x 30.5 mm (W x D x H)
Weight (Standalone)	80g

APPLICATIONS
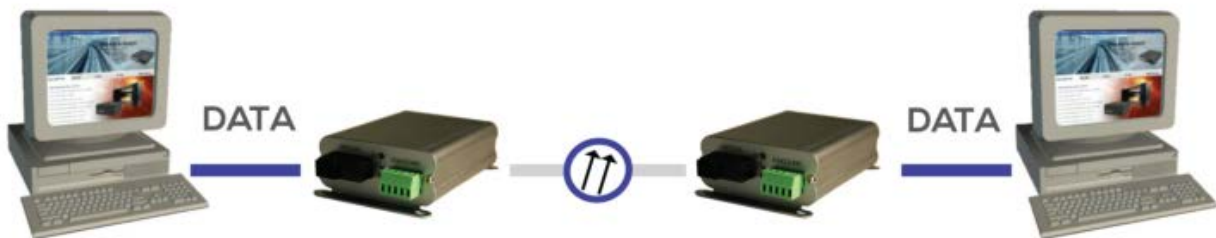
ODC – 120– SM – SC – 2F

Fiber type:

SM-Single mode fiber
MM-Multi mode fiber

Optical converter type:
SC / ST / FC
Duplex (2 Fiber)
Simplex (1 Fiber)

THE PACKAGE CONTAINS

- 1 pcs of ODC-120
- 1 pcs of 12V DC 1A power adapter.

Model	Quantity	Box Dimensions	Weight
ODC-100C box type	1	13×20×7 cm	0.1kg

CARTON DETAILS

Model	Quantity in Carton	Carton Dimensions	Weight
ODC-100C box type	4	29×45×23 cm	1.0kg