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COMOSS ELECTRONIC CO., LTD.

DATA SHEET

OE Converter Module (1394CON-AXXX)

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■ 1. Description

The 1394CON-AXXX series are interface converters that use IEEE 1394b 9pin connectors and IDB1394 POF transceivers. The 1394CON-AXXX series are treated as IEEE 1394/ 1394a/ 1394b repeaters at S100/ S200/ S400 signaling rates. They are also treated as IDB1394 POF repeaters that fully support IEEE Std 1394b, IDB1394 automotive specification and IDB forum at S100/ S200 signaling rates. Their applications are in any CE devices of the home network or embedded car network such as PC, HDTV, STB, CD& SACD players and consumer electronic devices.

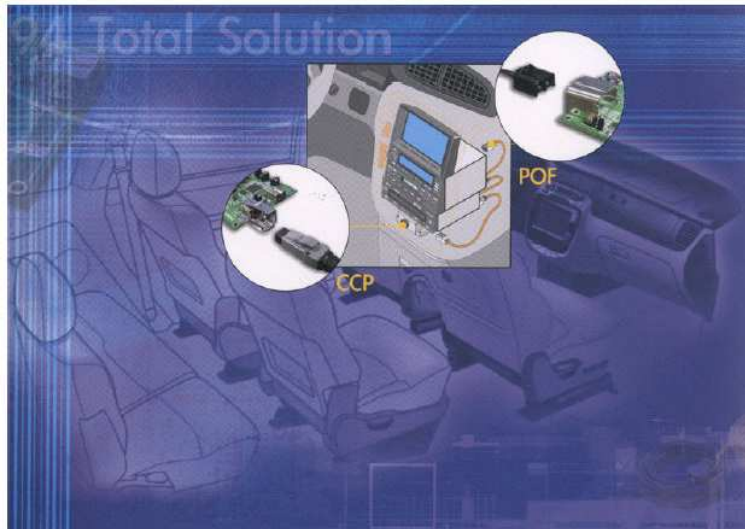


■ 2. Features

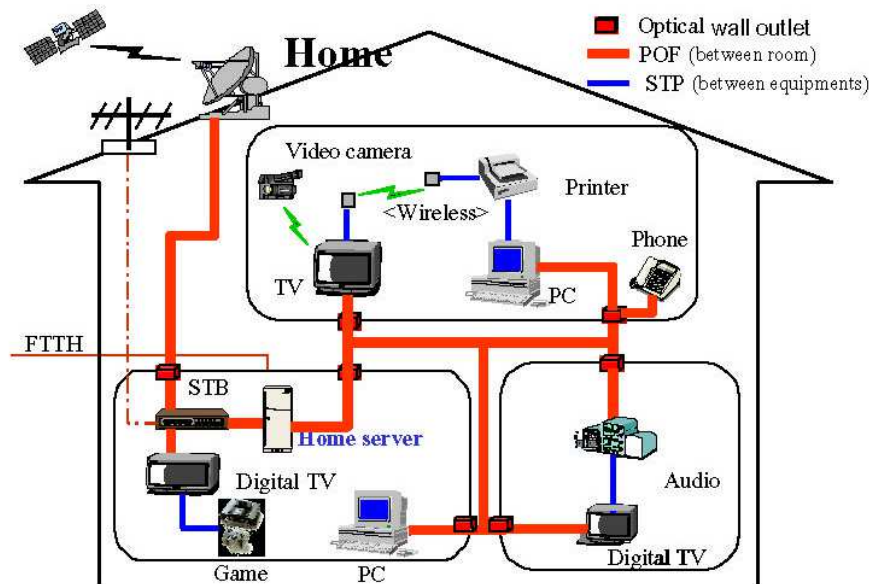
Parameter	Optical Port	Electrical Port
Standard compatibility	1. IDB Automotive Specification (IDB-1394) 2. IDB Forum	1. IEEE Std 1394-1995 2. IEEE Std 1394a-2000 3. IEEE Std 1394b-2002
Data Rate	100Mbps, 200Mbps	100Mbps, 200Mbps, 400Mbps
Transmitting Length	50M at POF interface	4.5M at any 1394 interface
Interface connector	IDB-1394 POF transceiver (COMOSS IDBDX series)	IEEE 1394b 9pin connector (COMOSS HSR series)
Accessory cable	IDB1394 POF patch cord (COMOSS OPF series)	IEEE 1394 cable assembly (COMOSS 1394C series)
Operating Temperature	0~70 °C or -40~85 °C (See the order information)	
Operating Voltage	8V~35V DC (Refer to 12V DC)	
Operating Current	1A DC max.	
DC Power Connector	OD: 5.5, ID: 2.1 mm DC plug suitable	

■ 3. Application

An example in the car network



An example in the home network



■ 4. Order Information

1394CON-A 1 0 0 0
(1) (2) (3) (4) (5)

(1) Converter Type:

*A: IDB-1394 POF interface

(2) Connector Type:

*1: one POF transceiver and two 1394b 9pin connectors

*2: two POF transceivers and one 1394b 9pin connector

(3) Operating Temperature:

*0: 0°C ~70 °C

*1: -40°C ~85 °C

(4) CCP Option:

*0: with two core bodies

*1: without two core bodies

(5) Accessory:

*0: with 110/220VAC to 12VDC adapter

*1: without 110/220VAC to 12VDC adapter

COMOSS has developed a series of products including IDB1394 POF transceivers, POF patch cords, core bodies, latched covers and 1394b cable assemblies. If there is any product needed, please contact with our Web- site (www.comoss.com). We can also design these products with the customer to meet customer's application requirement. Any OEM& ODM is welcome.