OVC-022 Series

2 CH Analog Audio & 2 CH Data to Fiber Converters

Introduction

The OVC-022 is an analog audio & data over fiber converter which can provide 2 channels of full duplex 52.3KHz, 24-bit digital audio and two channels of full/half duplex data communications over duplex optical fiber cable.

Features

- Plug and play, easy to install, compatible with 4U 19-inch OVC series chassis.
- Support transmission of 2 channels of analog audio & 2channels of RS422/485 signal though optical fiber.
- Each set of OVC-022 contains RX (receiving side) and TX (transmitting side).
- Terminal block connector
- 600Ω Unbalanced
- Support for 9/125um single mode fiber type & 62.5/125um multi mode fiber type
- Supports both card and box types.

  For Card/Module type, user can use with Hoatech OVC series 4U19'' chassis (426x178x172mm) for future expansion.
- Support dual power input DC 12V 1A, including DC power input and Phoenix terminal for power backup.
- With power polarity reverse protection.
- Support industrial wide temperature operating temperature -40 ° C to 75 ° C.
- MTBF (mean time between failures) > 50,000 hours.
- Have a safety certification CE & FCC certification.

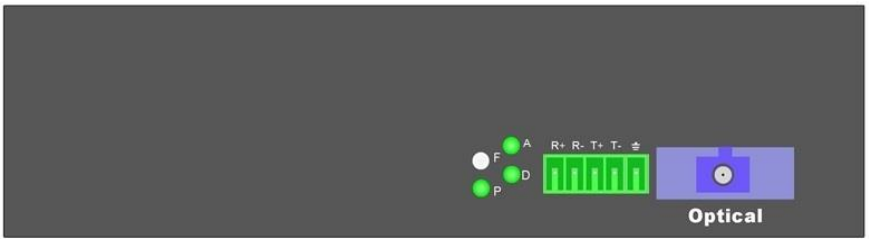
Specifications

Feature		Description	
Optical Interface	Fiber Type (Diameter)	Single mode fiber(9/125μm) Multi-mode fiber (62.5/125μm)	
	Fiber Connector	SC/ST	
	Distance	20km (Single Mode)/2km (Multi-mode)	
	Fiber Speed	155Mbps	
	Wavelength	Transmitter	Receiver
		Tx:1310nm, Rx:1550nm	Tx:1550nm, Rx:1310nm
	Launch Power (dBm)	Max.: 0, Min: -9	
	Receive Sensitivity (dBm)	-21	
	Max. Input Power (dBm)	-3	
Audio Characteristics	Bandwidth	10Hz~20kHz	
	Bit Resolution	24 bit	
	Signal-to-Noise Ratio (SNR)	>75dB	
	Interface	Terminal block	

	Input impedance	600ohm unbalanced
	Audio level voltage	Up to 2-Vpp
	Audio level	0dbm
	Sample Rates	52.3kHz
Data Interface	Number of channels	2
	Data interface	RS422/RS485 2/4W
	Baud rate	128Kbps
General	LED Indicators	Power/Video/Fiber (Fiber transmission status)
	Power Requirement	12VDC, 1A
	Power Consumption	≤ 5W
	Unit Weight	Box: 760g ; Module: 220g
	Dimension	Box: 160x32x155mm ; Module: 177x21x152mm
	Mechanical	Metal
	Installation	Desktop, Wall mount, Chassis with optional chassis installation
	Compatible Chassis	OVC-4U18
Conformance	Operating Temperature	-40 ° C ~75 ° C
	Storage Temperature	-40 ° C ~ 85 ° C
	Humidty	0~95% (Non-condensing)
	MTBF	> 50,000 hours
	Compliance	FCC, CE
Accessories	Pakage Contants	OVC-022 TX x1 OVC-022 RX x1 12V, 1A power adapter x2 Quick Installation Guide x1

Overview

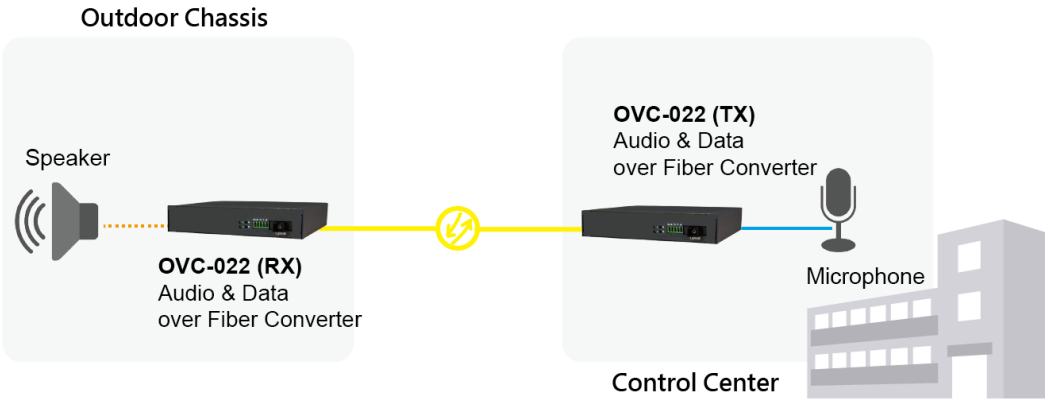
Front



Rear

Application

Audio Distribution / Public Address System



Concerts, Military, Campus, Apartments, Stadium, Live Events, Tunnels or Cinemas

Ordering Information

Model	Diameter	Connector	Operation Mode	Wavelength	Distance	Box	Card
OVC-022-SM-SC-BI-20	SM (9/125μm)	SC	Simplex	1310/1550 nm	20KM	●	●
OVC-022-SM-ST-BI-20	SM (9/125μm)	ST	Simplex	1310/1550 nm	20KM	●	●
OVC-022-MM-SC-BI	MM(62.5/125um)	SC	Simplex	1310/1550 nm	550M	●	●
OVC-022-MM-ST-BI	MM(62.5/125um)	ST	Simplex	1310/1550 nm	550M	●	●

Accessories (sold separately)

Model Name	Description
SC-SC-S-3M	3M SC to SC Fiber Patch Cord, 9/125 μm, Single Mode
SC-ST-S-3M	3M SC to ST Fiber Patch Cord, 9/125 μm, Single Mode
SC-LC-S-3M	3M SC to LC Fiber Patch Cord, 9/125 μm, Single Mode
SC-FC-S-3M	3M SC to FC Fiber Patch Cord, 9/125 μm, Single Mode
ST-ST-S-3M	3M ST to ST Fiber Patch Cord, 9/125 μm, Single Mode
ST-FC-S-3M	3M ST to FC Fiber Patch Cord, 9/125 μm, Single Mode
ST-LC-S-3M	3M ST to LC Fiber Patch Cord, 9/125 μm, Single Mode
SC-SC-M-3M	3M SC to SC Fiber Patch Cord, 62.5/125 μm, Multi-Mode
SC-LC-M-3M	3M SC to LC Fiber Patch Cord, 62.5/125 μm, Multi-Mode
SC-FC-M-3M	3M SC to FC Fiber Patch Cord, 62.5/125 μm, Multi-Mode

ST-ST-M-3M	3M ST to ST Fiber Patch Cord, 62.5/125 µm, Multi-Mode
ST-FC-M-3M	3M ST to FC Fiber Patch Cord, 62.5/125 µm, Multi-Mode
ST-LC-M-3M	3M ST to LC Fiber Patch Cord, 62.5/125 µm, Multi-Mode

More information please check on our website at www.hoatech.com.tw