

Fiber Optic Data Transmission (Fiber Optic Modem) 1-Channel Duplex Contact Closure over Fiber

System Design

Video

Fiber Optic Data Transmission (Fiber Optic Modem)
VOS-1FOM-CC provides for the digital transmission of 1-Channel Duplex dry contact closure or TTL data input signal over one fiber. Applications for alarm triggering, gate control, automation, etc.

Audio

Stand-alone or rack-mount. All units of VOS-1FOM-CC come in an insert card version. The cards can be inserted into our 14-slot, 19inch 4U rack-mountable card cage (VOS-CH04).



Contact Closure

Single-Mode or Multi-Mode, VOS-1FOM-CC can support FC /PC or ST/PC optical connector, can be used in Daisy-Chain system (Need to customize). The Transmission distance range according to the Optical Budget.

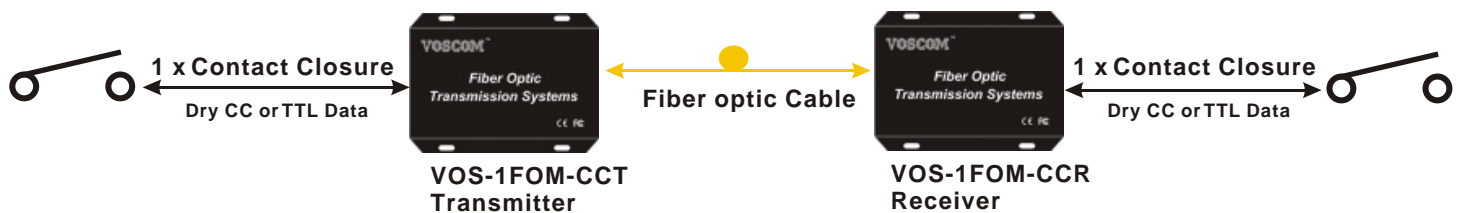


Ethernet

Features

- Support Point-to-Point or Daisy-Chain connection
- Dry Contact Closure or TTL data over one fiber
- Multi-mode Fiber Support for Distances up to 2.0 km
- Single-Mode Fiber Support for Distances up to 100 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
- Support Coarse Wavelength Division Multiplexing (CWDM)
- Stand alone or rack-mount
- Produce according to customer's specifications, providing OEM

Typical Configuration



Serial Data over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-1FOM-CCMT	VOS-1FOM-CCMR	Multi-Mode	1310nm/1550nm	16dB	2km
VOS-1FOM-CCST	VOS-1FOM-CCSR	Single-Mode	1310nm/1550nm	12dB	20km

Note:

- The Optical Power Budget data fit Multit-mode(62.5/125 μ m),Single-Mode(9/125 μ m).
- When using 50/125 μ m multimode fiber, subtract 3 dB from the optical power budget.
- Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.
- Maximum transmission distance is also limited by fiber bandwidth.
- Power adapter is manufactured by third party and is supplied with fitted screw-terminal output cables. Power adapter included (for standalone) US, European, UK or Australian power plug.
- Please feel free to consult factory for any special requirement and customization

Specification

<ul style="list-style-type: none"> • Data <p>Data Formats: Contact Closure, TTL Data Rate: DC to 115.2Kbps Bit Error Rate: 10E-9</p>	<ul style="list-style-type: none"> • Connectors <p>Data: Terminal Block Optical: FC (standard), ST Optional Stand-Alone Power: Screw terminal block Rack Power: AC line cord</p>
	<ul style="list-style-type: none"> • Electrical & Mechanical <p>Input Power Requirements: DC 5V@2A Power Adapter: AC 100V~240V Power Consumption: < 3W Stand-Alone Dimensions: 142mm × 107mm × 25mm Card for 4U Rack Dimensions: 145mm × 170mm × 20mm Shipping Weight: 1.8kg (include TX & RX)</p>
	<ul style="list-style-type: none"> • Environmental <p>Operating Temperature: -45° C~+75° C Storage Temperature: -45° C~+85° C Relative Humidity: 0%~95% (non-condensing) MTBF: >100,000 hours</p>

Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: Sales@voscom.com Website: www.voscom.com