# Võbcõm

## VOS-4FOM-D485T/R

### Fiber Optic Serial Data Transmission 4-Channel Duplex Rs485 Serial Data over Fiber

#### System Design





Data

VOS-4FOM-D485T/R provides for the digital transmission of 4-Channel duplex Rs485 serial data signal over one fiber. Applications for PTZ Control for CCTV Surveillance Systems, Access Control System, Industirlia control, Data Control for Manufacturing / Assembly Platforms, ITS...etc.

**Stand-alone or rack-mount**. All units of VOS-4FOM-D485T/R come in an insert card version. The cards can be inserted into our our 14-slot, 19inch 4U or 6U rack-mountable card cage (VOS-CH04 or VOS-CH06).



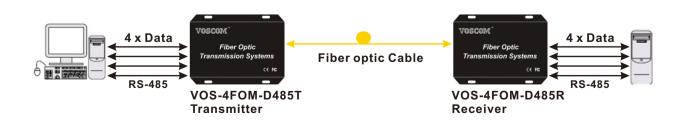
Audio

**Single-Mode or Multi-Mode**, VOS-4FOM-D485T/R 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. Manufacturer's standard is: Single-mode 20km or Multi-mode 2km.

#### Features

- Support Point-to-Point or Daisy-Chain connection
- Rs232 Serial 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
- Stand alone or rack-mount
- Produce according to customer's specifications, providing OEM

#### **Typical Configuration**



#### **Ordering Information**

Model Number		Fiber Mode	Wavelengths	Optical Power	Maximum Transmission
Transmitter	Receiver	FIDEI MOUE	wavelengths	Budget	Distance
VOS-4FOM-D485MT	VOS-4FOM-D485MR	Multi-Mode	1310nm/1550nm	16dB	2km
VOS-4FOM-D485ST	VOS-4FOM-D485SR	Single-Mode	1310nm/1550nm	12dB	20km
VOS-4FOM-D485ST-4	VOS-4FOM-D485SR-4	Single-Mode	1310nm/1550nm	18dB	40km
VOS-4FOM-D485ST-6	VOS-4FOM-D485SR-6	Single-Mode	1310nm/1550nm	25dB	60km

#### Note:

**Specification** 

• The Optical Power Budget data fit Mulit-mode(62.5/125 µm), Single-Mode(9/125 µM.).

- $\bullet$  When using 50/125  $\mu M.$  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

• Serial Data	• Connectors	
Number of Channels: 4-Chan Serial D Data Formats: Rs485 D Data Rate: DC to 1 Bit Error Rate: < 10E-S	Data Opt Data, 2-wire Stand-Alone Po Mbps Rack Po	ata: Terminal Block ical: FC/PC or ST/PC Optional wer: Screw terminal block wer: AC line cord
	• Electrical & Mechani	cal
	Power Consumpt Stand-Alone Dimensi	ter: AC 100V~240V
	• Environmental	
	Storage Temperat Relative Humi	ure: -45°C~+75°C ure: -45°C~+85°C dity: 0%~95% (non-condensing) FBF: >100,000 hours