



**UT-4206**

**UT-4206SM-30**



## Scope of Application

The converter offers cost-efficiency to transmit RS-422/485 signal over optical fiber in variable distances up to 2km (multi-mode fiber) and 30km (single-mode fiber). The converter is ideal for connecting data communication devices situated in manufacturing-intensive environments where electromagnetic and radio frequency interference is a major concern. Data integrity is also assured because the characteristics of fiber optic cables make any break in transmission integrity immediately detectable.

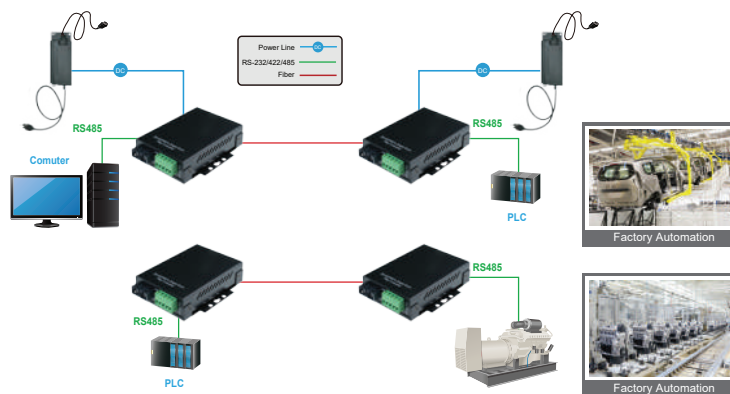
It enables network managers to install fiber cabling anywhere within an existing network environment without the removal, replacement or modification of the current copper-based RS-422/485 infrastructure. Plus, it is capable of 4-wire and 2-wire operations via DIP switch. Simply use the DIP switch to adapt to different cabling environments.

## Features Highlight

- 1 x Serial Port (RS-422/485)
- 1 x Fiber Port with duplex SC
- Extends distance for serial devices with EIA/TIA-422 & 485 standards
  - Up to 2km for Multi-mode
  - Up to 30km for single-mode
- Complies with EIA/TIA-422, EIA/TIA-485
- Supports asynchronous data transfer rate of up to 115.2 kbps
- Supports 4-wire full and 2-wire asynchronous data transmission
- Extends distances up to 1.2km for 24AWG Twisted Pair Cable
- Wide voltage range (9V to 32V DC)
- DIP switch enable / disable functions
- Duplex SC Connector
- DIN-Rail mounting for easy installation
- External power supply
- LEDs for device status
- Operating temperature from 0°C to 50°C
- FCC Class A & CE approved

## Applications

The converter offers seamless integration while working as transparent device between your serial devices that enables you to extend the distances up to 2km with multi-mode optical fiber cable and up to 30km with single-mode optical fiber cable.





## Technical Data

Standards	
Serial Communication	EIA/TIA-422 EIA/TIA-485
Fiber Optic	
Port & Connector Type	1 x Duplex SC
Distance	Up to 2km for Multi-mode Up to 30km for Single-mode
Serial (RS-422/485)	
Port	Terminal Block (2-wire/4-wire)
Speed (Baud Rate)	115200 / 57600 / 38400 / 19200 14400 / 9600 / 4800 / 2400
Max. Distance (meter)	1.2km for 24AWG Twisted Pair Cable
Power	
Power Input	9V to 32V DC
Power Connection	DC Jack
Power Supply	100-240VAC, 50-60Hz, 12VDC/1A Adapter
Mechanical and Environment	
Housing	Metal
Dimensions (W x H x D)	90 x 31.5 x 109.2 (mm)
Weight	280g
Mounting	DIN-Rail
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 80°C
Operating Humidity	10% to 80% RH (non-condensing)
Storage Humidity	5% to 90% RH (non-condensing)
LED Panel	PWR: Illuminated green for normal operation LNK: Illuminated green when ber is properly connected RCV: Illuminated amber for receiving packets from RS-422/485 Device

Performance	
DIP 1	N/A
DIP 2	N/A
DIP 3	2-wire (RS-485) OR 4-wire (RS-422/485)
DIP 4	RS-422/485 Terminator
Certifications	
EMC	FCC Part 15 of Class A & CE Approved
Green Product	RoHS
Ordering Information	
UT-4206	RS-422/485 SC (MM) F.O. Media Converter, 2km
UT-4206SM-30	RS-422/485 SC (SM) F.O. Media Converter, 30km

**Note :**

\* Specifications subject to change without notice.

## Drawing

