UT-420X Series
RS-422/485 to Fiber Media Converter

UT-4206

Product Introduction & Benefits

This unit offers cost - efficiency for extending distances to between 2km (multi-mode fiber) and 120km (single-mode fiber). The UT-420X enables network managers to install fiber cabling anywhere within the existing network environment -- without the removal, replacement or modification of existing 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 (e.g. 4-wire or 2-wire). The converter is ideal for connecting data communication devices situated in manufacturing-intensive environments where electromagnetic and radio-frequency interferenceis a major concern. Data integrity is also assured due to the characteristics of fiber-optic cables that make any leakage of transmission detectable.

Ordering Information :

UT-4204 : RS-422/485 to Multimode Fiber Media Converter (ST Connector, 2km)

UT-4206 : RS-422/485 to Multimode Fiber Media Converter (SC Connector, 2km)

UT-4206SM-30/60/100/120 : RS-422/485 to Singlemode Fiber Media Converter (SC Connector, 30/60/100/120km)

Main Features :

- 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
- DIP switch enable / disable functions
- Available ST/SC connector
- LED status indicators for system monitoring
- DIP switch-enabled "terminator"
- 35mm DIN RAIL mounted
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved
- RoHS Compliant
- Included AC power adapter 220 VAC / 12 VDC, 1A

FCC Class A

CE Approval

CATALOG MEDIA CONVERTER

UT-420X Series Specifications :

Standard :
EIA/TIA-422, EIA/TIA- 485

Port :
Copper Connector : 1x serial RS-422/485 (Terminal Block)
Fiber Optic Connector : 1x ST or SC type (only SC type for Single Mode)

Max Distance :
Copper : 1200 meters
Fiber Optic : 2km, (Multi Mode)
　　　　　　 30 - 120km, (Single Mode)

Data Rates :
Serial : 115.2 kbps (asynchronous)

Emissions :
FCC Part 15 of Class A & CE approved

Weight :
280 g

Dimensions :
109.2 x 90 x 31.5 mm (D x W x H)

DIP Switches :
DIP1 : N/A
DIP2 : N/A
DIP3 : Enable / disable 2-wire/4-wire mode
DIP4 : Enable / disable terminator (TMR)

Power :
Power Input : 9 ~ 32V DC, external power adapter

Temperature :
Operating : 0ºC to 50ºC
Storage : -20ºC to 80ºC

Humidity :
Operating : 5% to 90% RH
Storage : 0% to 80% RH

Unit LED :
PWR : Green - Illuminated for normal operation
LNK : Green - Illuminated when fiber is properly connected
RCV : Amber - Illuminated for receiving packets from RS-422/485 Device

Applications :

- Industrial/Factory/Laboratory automation SCADA systems Self-service banking systems
- Factory robots and HVAC control systems
- Wafer fabrication systems
- Point of Sale (POS) systems
- Security cameras or other remote distributed serial devices
- Any application where ruggedness, durability and shock/vibration - proof qualities are required

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