Product Name	Key Feature
UT-2278 **RS-232/422/485 to Optical Converter**	RS232 & RS485/422 → Fiber ESD protection

INTRODUCED

I. Summary

Being a multi-function fiber modem in support of asynchronism RS-232,RS-485 and RS-422 communication interface, UT-2278 is the best choice for the connection from remote terminal unit (RTU) to host(HOST) or Supervisory Control and Data Acquisition(SCADA). It supports multipleasynchronism communication protocols including RS-232，RS-485 and RS-422, and it also supports a combination of two of the RS-232,RS-485 or RS-422 interfaces as well as both of the working modes, i.e. Two-line(half-duplex) RS-485 and four-line(full duplex) RS-422. The ability to support RS-485 mode for data TXD or SD sending control greatly improves its compatibility with various kinds of software besides a sharp simplification of control method. Various kinds of fiber connection between asynchronism serial interfaces are supported by UT-2278 fiber modem. Both half duplex and full duplex communications through fiber between two asynchronism interface devices are supported with a communication distance as far as 4 kilometers for multi-mode and 20 kilometers for single-mode. The transmission rate for RS-232 can reach a maximum of 115.2KBPS, while for RS-485/RS-422 a maximum of 460KBPS can be achieved. Interfaces of different electric standards can be mixed for use with nice EMI/RFT performance, e.g. RS-232 devices can be connected to RS-485/RS-422 devices, and the interface converter or photoelectric isolator can be replaced from RS-232 to RS-485. Two data signal transmissions are supported by UT-2278: data sending and data receiving. At the same time, automatic control circuit is alsoprovided for RS-485/RS-422 datatransmission. Zero delay for converting time is achieved. ST interfaces are used for fiber connections.

II. Specification:

Post for RS-422/RS-485/RS-232

- Transmission rate: 460Kbps.
- Distance: 4 km for multi-mode and 20 km for single-mode, 40-120km can be customized.
- Working environment: -40℃ to 85℃, relative humidity 5% to 95%.
- Wavelength: 1310nm (multi-mode) ,1310nm 1550nm (single-mode）
- Electric interface: RS-422/RS-485/RS-232 Adoption terminal
- Fiber interface: ST interface(SC,FC optional) +/-15KV(ESD), ESD
- Support rate: 115.2Kbps at most.
- Power Supply: AC100-240V 1W

INFORMATION ORDER

MODEL:			
	UT-2278MM	Fiber port is Multi-mode 4KM	(SC, ST, FC optional)
	UT-2278SM	Fiber Port is Single-mode 20KM	(SC, ST, FC optional)
	UT-2278SML	Fiber Port is Single-mode 40KM	(SC, ST, FC optional)