

Item	Serial Fiber Converter
Model NO.	AFM-244
Description	RS232/485/422 to Fiber Optic Converter
	

Overview

AFM-244 series is a Multi-serial **RS232/RS485/RS422** to Fiber Optic Converter, that transmits serial protocol over fiber optic cable. Fiber Transmission extends serial signal up to 120km.

AFM-244 support single-mode, multimode, and single fiber. The serial port interface is terminal block connector for field wiring.

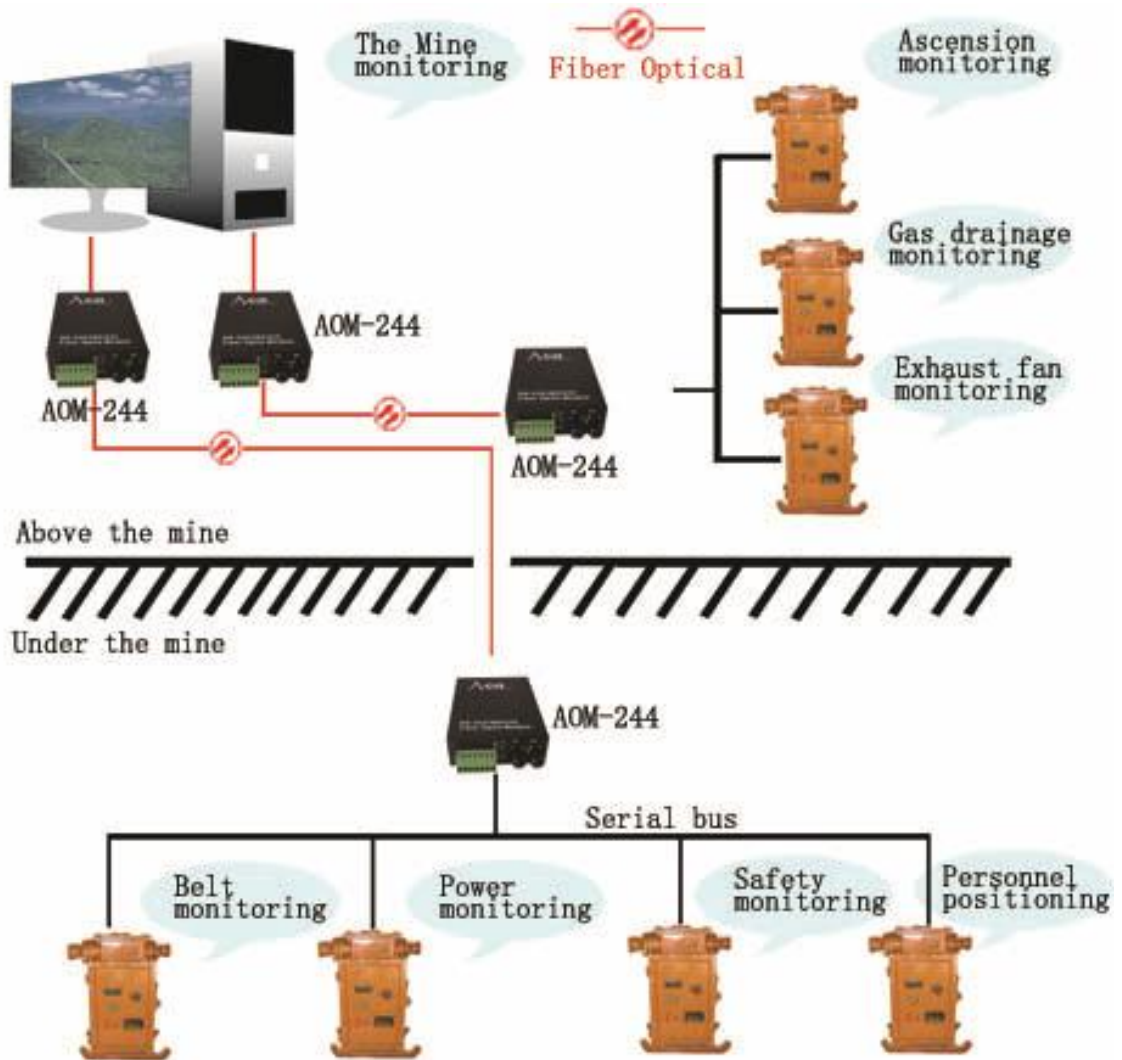
AFM-244 automatically detects the signal baud rate of the connected serial device, range from 300bps to 115.2Kbps baud. It also automatically adjusts to changes in the connected device's baud during operation without reconfiguration or interruption of service.

AOM-244 support Chassis, Wall-mounted and DIN rail amount for quick and easy installation.

Features

- Point-Point Transmission
- Zero-Delay automatic forwarding
- RS232/RS485/RS422 to fiber automatic baud rate detection
- Baud rate :300bps to 115.2Kbps
- Support multi-mode, single-mode and single-fiber with FC/ST/SC connectors
- Support Hot-pluggable
- Providing Chassis, Wall-mounted or DIN-Rail installation
- supports 1500W surge protection and 15KV ESD protection
- External power supply

Application



Technical Indexes

Parameter	Specifications
Mode Type	RS232/RS485/RS422
Protocol	Asynchronous Serial
Working mode	point-to-point
Baud rate	300bps to 115.2Kbps
Copper Connector	Terminal Block
Fiber Connector	FC as default, ST/SC optional
Transmission distance	RS-232 interface: 15 meters; RS-485/422 interface: 1200 meters
	Multi-mode: 2 km; single mode: 20~120 km
LED Indicators	PWR, TxD, RxD
RS-232 signal	IN, OUT, GND
4-wire RS485 Signal	T+, T-, R+, R-, GND
2-wire RS485 Signal	D+, D-, GND
RS-422 signal	T+, T-, R+, R-, GND
Interface protection	1500W surge protection and 15KV ESD protection
Operating temperature	0°C to 60°C
Maintaining temperature	-20°C to 85°C
Humidity	5%-95% RH
Input power	5V VDC
Dimensions (W*D*H)	71 x 95 x 26 mm

Order Information

Model	Product description
AFM-244-M02-EA	RS-232/485/422 to MMF 850nm,FC,2km
AFM-244-S20-EA	RS-232/485/422 to SMF 1310nm,FC,20 km
AFM-244-S40-EA	RS-232/485/422 to SMF 1310nm,FC,40 km
AFM-244-A20-EA	RS-232/485/422 to Bi-di TX1310/RX1550nm,FC, 20 km
AFM-244-B20-EA	RS-232/485/422 to Bi-di TX1550/RX1310nm,FC, 20 km
AFM-244-A40-EA	RS-232/485/422 to Bi-di TX1310/RX1550nm,FC, 40 km
AFM-244-B40-EA	RS-232/485/422 to Bi-di TX1550/RX1310nm,FC, 40 km