MultiDyne
Video & Fiber Optic

FMX-100
Stand-alone RS-232/485/422 Copper to Fiber Converter

SUMMARY

The FMX-100 provides a fiber converter solution to extend RS-232 or RS-485. Transmission distance up to 2km over multimode fiber or 120km over single mode fiber. The converter is equipped with multiple interface circuits, for connection to RS-232, RS-422 or RS-485 (2 or 4 wire). The FMX-100 secures data transmission over EMI resistant fiber at speeds up to 256kbps for RS-232 or up to 1024kbps for RS-422/485.

FEATURES

Extend serial transmission from 2 to 120 km over fiber

Selectable data I/F for RS-232/422/485/TTL

Selectable two or four wire RS-485/422

Card cage option with FMX301 Chassis

Speeds up to 256Kbps for RS-232 (Async mode)

Speeds up to 1024Kbps for RS-485/422 and TTL

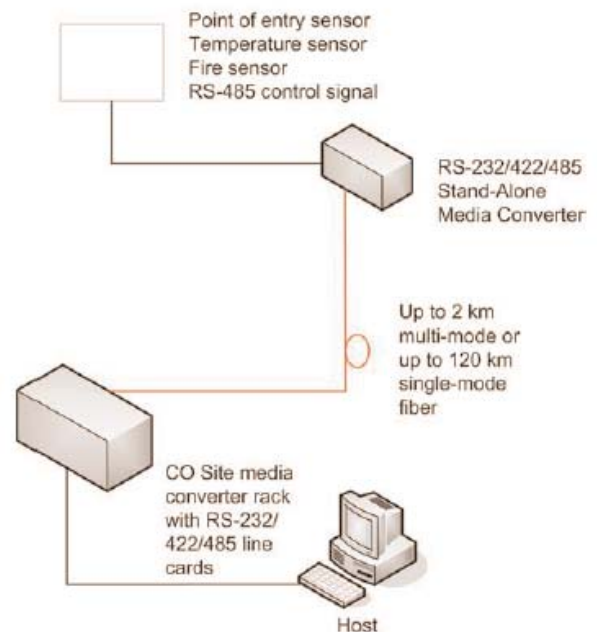Support auto-adjustment function, no extra attenuator needed

SPECIFICATIONS

Standard: EIA/TIA RD-232/422/485

Connectors: Data: Screw terminal **Optical:** ST,SC & FC

LEDs: Power, Data, Test, Fiber Link

Power: External AC adapter; 9VDC@1A

Power Consumption: < 5W

Temperature Range: 0 — 50°C (Operating),0 - 70°C (Storage)

Dimensions(DxWxH): 85.6mm x 122.6mm x 20mm

Weight: 300g

ORDERING INFO

FMX-100-	XX-	YY-	ZZZ
	02: MM	ST	002: 2km
	50: SM	SC	015: 15km
	07: WDM	FC	030: 30km
			050: 50km
			080: 80km
			120: 120km
			WDM Available

APPLICATION

Point of entry sensor
Temperature sensor
Fire sensor
RS-485 control signal

RS-232/422/485 Stand-Alone Media Converter

Up to 2 km multi-mode or up to 120 km single-mode fiber

CO Site media converter rack with RS-232/422/485 line cards

Host

CONTACT