Media Converters for Every Combination

The comprehensive media converter portfolio for serial, Ethernet, and fiber connections

Benefits That Moxa's Media Converters Offer

- A wide selection for serial, Ethernet, and fiber conversions
- Industrial-grade design that endures various industrial environments
- Plug-and-play and modular design makes deployment easy and flexible

Choose the Media Converter That Works for You

Media converters ease your daily operations in industrial applications significantly. Moxa?s mediaconverters offer versatile solutions that include serial-to-serial, serial-to-fiber, fieldbus-to-fiber, andEthernet-to-fiber, providing you a wide selection for various requirements.

Scenario 1

Do you want to transfer RS-232 devices to a RS-422/485 interface?

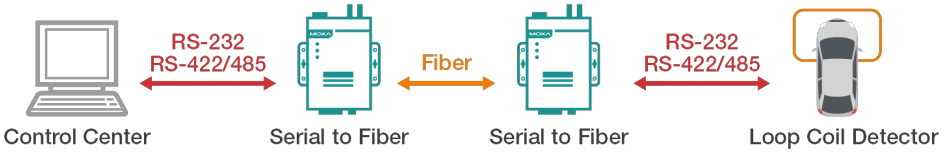
Moxa's Offering

Standalone Type of Serial-to-Serial Converters

Model	TCC-80/80I	TCC-100/100I	TCC-120/120I
Interface A	RS-232	RS-232	RS-422/485
Interface B	RS-422/485	RS-422/485	RS-422/485
Port Power	√	-	-
Repeater	-	-	√
Serial Isolation	2 kV (TCC-80I)	2 kV (TCC-100I)	2 kV (TCC-120I)
Serial Surge	-	1 kV	1 kV

Scenario 2

Do you want to extend your serial devices' transmission distance?



Moxa's Offering

Standalone Type of Serial-to-Fiber Converters

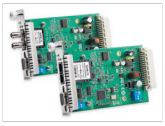
Model	TCF-90	TCF-142	ICF-1150/1150I
Interface A	RS-232	RS-232/422/485	RS-232/422/485
Interface B	Fiber (single-mode or multi-mode)		
Port Power	√	-	-
Serial Isolation	-	-	2kV (ICF-1150I)
Serial Surge	-	-	1kV
Fiber Ring	-	√	√
Industry-Specific Certificate	-	-	C1D2, ATEX, IECEx

Modular Type of Serial-to-Fiber Converters

Modular Chassis

Model	TRC-190	TRC-2190
# of Slot (for slide-in modules)	19	18
Remote Management	-	√
Power Input	Redundant 100-240 VAC or ±48 VDC	

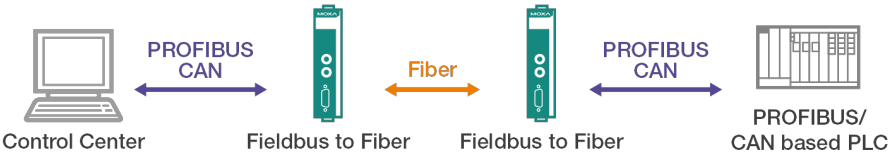
Slide-In Module



Model	TCF-142-RM
Interface A	RS-232/422/485
Interface B	Fiber (single-mode or multi-mode)
Fiber Ring	√

Scenario 3

Do you want to extend your PROFIBUS or CAN devices' transmission distance?



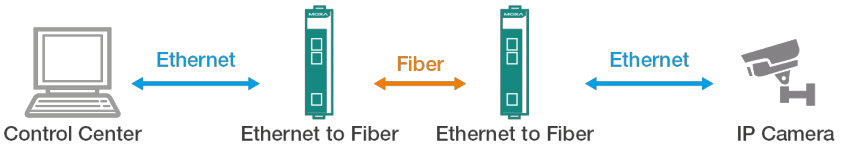
Moxa's Offering

Standalone Type of Fieldbus-to-Fiber Converters

Model	ICF-1170I	ICF-1180I	ICF-1280I
Interface A	ISO 11898-2, terminals	PROFIBUS DP (DB9 female)	PROFIBUS DP (DB9 female)
Interface B	Fiber (multi-mode)	Fiber (single-mode or multi-mode)	
Serial Isolation	2 kV	2 kV	2 kV
Serial Surge	1 kV	2 kV	2 kV
Fiber Ring	-	-	√
Industry-Specific Certificate	-	C1D2, ATEX, IECEx, DNV/GL	

Scenario 4

Do you want to extend your Ethernet devices' transmission distance?



Moxa's Offering

Standalone Type of Ethernet-to-Fiber Converters

Model	IMC-21	IMC-21A	IMC-21GA	IMC-101	IMC-101G	IMC-P101	PTC-101	PTC-101-M12
Interface A	10/100 BaseT(X), RJ45	10/100 BaseT(X), RJ45	10/100/1000 BaseT(X), RJ45	10/100 BaseT(X), RJ45	10/100/1000 BaseT(X), RJ45	10/100 BaseT(X), RJ45	10/100 BaseT(X), RJ45	10/100 BaseT(X), M12
Interface B	100BaseFX	100BaseFX	100/1000BaseSFP slot (module option: SFP-1G and SFP-1FE)	100BaseFX	1000BaseSFP slot (module option: SFP-1G)	100BaseFX	100BaseFX	100BaseFX
Port Alarm	-	-	-	√	√	√	√ (LV model)	√ (LV model)
Power Alarm	-	-	-	√	√	√	√ (LV model)	√ (LV model)
PoE	-	-	-	-	-	√	-	-
Industry-Specific Certificate	-	-	-	C1D2, ATEX, DNV/GL	C1D2, ATEX, IECEx	-	IEC 61850-3, IEEE 1613	EN 50121-4, EN 50155

Modular Type of Ethernet-to-Fiber Converters

Modular Chassis

Model	TRC-190	TRC-2190
# of Slot (for slide-in modules)	19	18
Remote Management	-	√
Power Input	Redundant 100-240 VAC or ±48 VDC	

Slide-In Module

Model	CSM-200	CSM-400
Interface A	10/100 BaseT(X), RJ45	
Interface B	100BaseFX	
Remote Management	-	√
Port Alarm	-	√
Power Alarm	-	√