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## Media Converters for Every Combination

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

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### **Benefits That Moxa's Media Converters Offer**

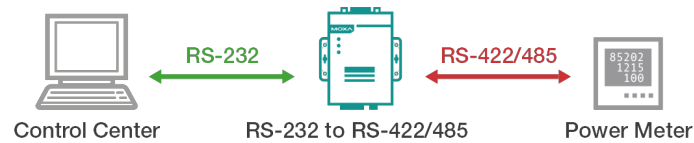
- A wide selection for serial, Ethernet, and fiber conversions
- Industrial-grade design that endures various industrial environments
- Plug-and-play and modular design makes deployment easy and flexible

### **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, and Ethernet-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

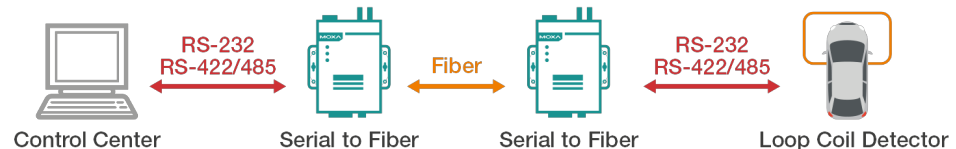
#### Standalone Type of Serial-to-Serial Converters



Model	TCC-80/801	TCC-100/1001	TCC-120/1201
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-801)	2 kV (TCC-1001)	2 kV (TCC-1201)
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-1150/11501
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-11501)
Serial Surge	-	-	1kV
Fiber Ring	-	√	√
Industry-Specific Certificate	-	-	C1D2, ATEX, IECEx

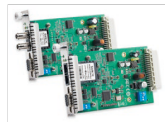
## Modular Type of Serial-to-Fiber Converters

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	

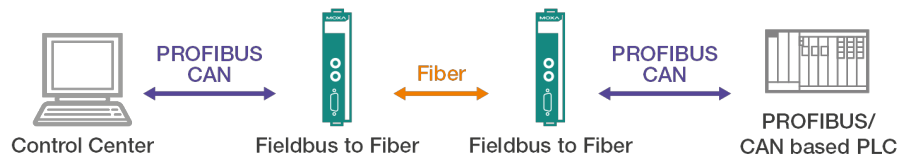
Slide-In Module



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

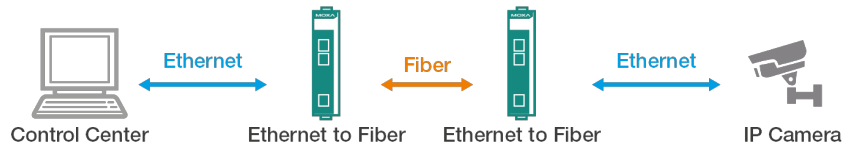
#### Standalone Type of Fieldbus-to-Fiber Converters



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	-	√