

# Moxa serial port to single-mode fiber optic cable



## Overview

TCF-142 converters are used to extend serial transmission up to 5 km (TCF-142-M with multi-mode fiber) or up to 40 km (TCF-142-S with single-mode fiber). Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and reliable way to communicate with their serial devices. A verification email has been sent to {0}. The ICF-1150 serial-to-fiber converters transfer RS-232/RS-422/RS-485 signals to optical fiber ports to. Industrial RS-232/422/485 to Fiber Optic Converter, SC Multi-mode, -40 to 85 ?

Industrial RS-232/422/485 to Fiber Optic Converter, ST Multi-mode, -40 to 85 ?

Industrial RS-232/422/485 to Fiber Optic Converter, ST Multi-mode, with 2kV 2-way Galvanic Isolation, -40 to 85 ?

Industrial RS-232/422/485. The TCF-142 media converters are equipped with a multiple interface circuit that can handle RS-232 or RS-422/485 serial interfaces and multimode or single-mode fiber.



## Article Content

May 02, 2026

TCF-142-M, TCF-142-S RS-232/422/485 to Fiber Converter QIG

The TCF-142 series (Ver. 3.1 or later) converters are equipped with a multiple interface circuit that can handle RS-232, or RS-422/485 serial interfaces, and multi-mode or single-mode fiber.

Feb 02, 2026

Moxa Industrial Serial to Fiber

Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and reliable way to communicate with their serial devices.

Jul 14, 2025

Moxa IMC-101 Series Ethernet to Fiber Media Converters

Details Moxa Industrial Media Converter, 10/100Base-T (X) to 100Base-FX, 24 VDC, DIN-Rail Mount. (Please Specify Model and Ratings.) The IMC-101 industrial

Nov 02, 2025

TCF-142-M-ST

Serial-to-Fiber Converters Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and

Apr 05, 2026

TCF-142-S-SC-RM

Serial-to-Fiber Converters Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and

Dec 30, 2025

Ethernet Media Converters

Moxa's industrial Ethernet media converters provide reliable and stable conversion of Ethernet data to fiber optic signals, even in harsh industrial environments.

Jun 22, 2026

Moxa Industrial Serial to Fiber

The ICF-1150 serial-to-fiber converters transfer RS-232/RS-422/RS-485 signals to optical fiber ports to enhance transmission distance. When an ICF-1150 device receives data from any serial port, it

May 05, 2026

Moxa TCF-142-S-SC: RS-232/422/485 to Fiber Optic Converter. SC Single-mode.

Introduction The TCF-142 media converters are equipped with a multiple interface circuit that can handle RS-232 or RS-422/485 serial interfaces and multi-mode or single-mode fiber. TCF-142 converters

Jan 13, 2026

TCF-142-RM Series

The TCF-142-RM Series slide-in modules are serial-to-fiber converters that work with the TRC-190 chassis. The modules convert from the RS-232, RS-422, or RS-485

Jun 12, 2026

TCF-90 Series

The TCF-90 is a compact media converter that transmits RS-232 signals over optical fiber. Power is derived from either the serial port or an external power source.

Aug 14, 2025

ICF-1150 Series

The ICF-1150 serial-to-fiber converters transfer RS-232/RS-422/RS-485 signals to optical fiber ports to enhance transmission distance. When an ICF-1150 device

Nov 19, 2025

Moxa - Industrial Serial-to-Fiber Media Converters

Moxa offers a wide array of industrial serial-to-fiber media converters that range from entry-level to advanced solutions to help you easily and reliably convert serial

Mar 19, 2026

ICF-1150-M-ST-IEX

Serial-to-Fiber Converters Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and

Aug 24, 2025

MOXA TCF-142-S-ST Serial to Fiber Converter

The TCF-142 media converters are equipped with a multiple interface circuit that can handle RS-232 or RS-422/485 serial interfaces and multimode or single-mode fiber.

Jul 17, 2025

## What Is a Moxa Serial-to-Fiber Converter and How Does It Work?

A Moxa serial-to-fiber converter is a device that converts serial RS-232/422/485 signals into optical fiber signals for long-distance, high-speed, and interference-free communication. It

Jul 04, 2025

## MOXA Serial-to-Fiber Converters

Moxa ICF-1170I-M-ST - Industrial CAN bus to Fiber Optic Converter, ST Multi-mode, 0 to 60° Temperature.

Aug 30, 2025

## MOXA TCF-142 Serial to Fiber Converter Quick Installation Guide

Quick Installation Guide for MOXA TCF-142-M, TCF-142-S serial-to-fiber converters. Extend serial transmission up to 40km (single-mode) or 5km (multi-mode).

Apr 03, 2026

## TCF-142-M-SC

Serial-to-Fiber Converters Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and

May 29, 2026

## Moxa TCF-142-S-ST RS-232/422/485 to Fiber Optic Converter, ST

Moxa's industrial-grade serial-to-fiber optic converters can convert RS-232/422/485 to optical fiber, which provides users with an easy and reliable way to communicate with their serial devices.

May 05, 2026

## Moxa TCF-142-S-ST RS-232/422/485 to Fiber Optic

TCF-142 converters are used to extend serial transmission distance up to 2 km (TCF-142-M multi-mode fiber) or up to 20 km (TCF-142-S single-mode fiber).

Apr 07, 2026

## Moxa Ethernet to Fiber Media Converters (IMC Series)

Moxa Ethernet to Fiber Media Converters convert Ethernet data to fiber optic signals. Even in harsh industrial environments, they provide reliable and stable conversions.

Mar 07, 2026

## IMC-101 Series

The IMC-101 industrial media converters provide industrial-grade media conversion between 10/100BaseT(X) and 100BaseFX (SC/ST connectors). The IMC-101

May 18, 2026

10M FC APC to LC APC Simplex Singlemode Fiber Optic Cable 9/125

1ft Fiber Optic Adapter Cable LC (Male) to ST (Female) Singlemode 9/125 Duplex  
\$16.55

Jul 27, 2025

## IMC-21A Series

The IMC-21A industrial media converters are entry-level 10/100BaseT(X)-to-100BaseFX media converters designed to provide reliable and stable operation in

Jun 28, 2025

## Moxa Serial Converter | Serial to Fiber Converters

Moxa Serial to Serial Converters support RS-232, RS-422, and RS-485 interfaces. They ensure seamless communication between different serial devices. The

Dec 08, 2025

## Serial to Fibre Converters

Industrial RS-232/422/485 to Fiber Optic Converter, SC Single mode, with 2kV Serial Isolation, -40 to 85 ° Industrial RS-232/422/485 to Fiber Optic Converter, ST Single mode, with 2kV 2-way Galvanic

## Contact Us

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