

# TRC-190 Series

## 19-inch rackmount chassis media converter



### Features and Benefits

- 19-inch chassis for rackmount use
- 19 slots for high-density applications
- Supports dual power inputs with redundancy
- Fanless chassis design reduces servicing costs

### Certifications



## Introduction

The TRC-190 rackmount chassis provides 19 slots for media converter modules from the CSM-200 Series of Ethernet-to-fiber modules and TCF-142-RM Series of serial-to-fiber modules. A TRC-190 chassis comes with one AC or DC power input, with an optional redundant power expansion AC or DC module available to enhance reliability. The PWR-190-AC and PWR-190-DC-48 power modules can be installed at the same time.

## Specifications

### Power Parameters

Input Voltage	TRC-190-AC: 110 to 240 VAC TRC-190-DC-48: 48 VDC Redundant dual inputs, Redundant dual inputs
No. of Power Inputs	2
Overload Current Protection	Supported
Power Consumption	TRC-190-AC: 1.5 A @ 100 to 240 VAC TRC-190-DC-48: 3.2 A @ 36 to 53 VDC

### Physical Characteristics

Dimensions	440 x 260 x 88 mm (17.32 x 10.24 x 3.46 in)
Installation	19-inch rack mounting
IP Rating	IP30
Weight	5200 g (11.4 lb)

### Environmental Limits

Ambient Relative Humidity	5 to 95% (non-condensing)
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature (package included)	-20 to 75°C (-4 to 167°F)

## Standards and Certifications

EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV(AC), 1 kV(DC) IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 PFMF
Environmental Testing	IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-3
Safety	IEC 62368-1, UL 62368-1
Vibration	IEC 60068-2-6

## MTBF

Time	1,055,112 hrs
Standards	Telcordia (Bellcore), GB

## Warranty

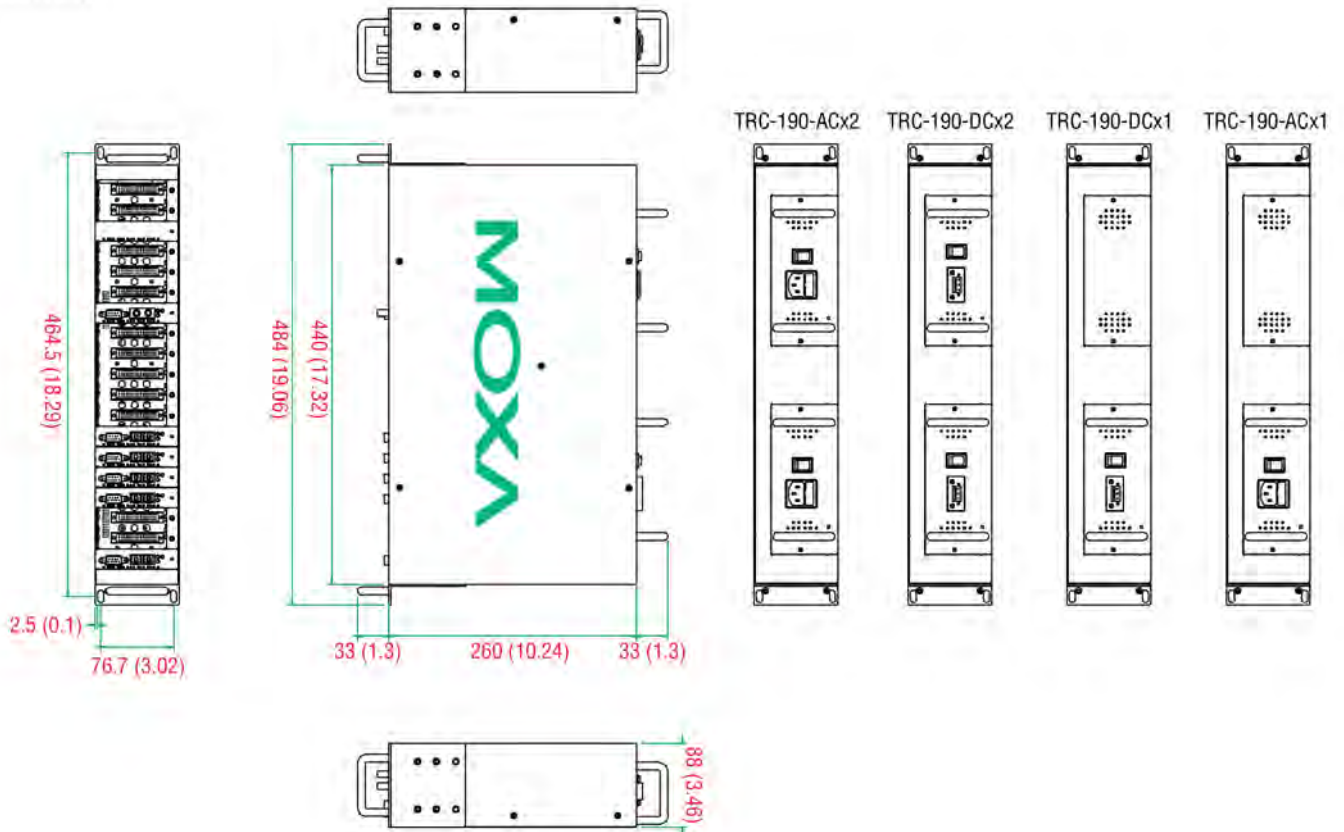
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

## Package Contents

Device	1 x TRC-190 Series converter
Bracket	18 x faceplate and screws
Power Supply	1 x power cord
Documentation	1 x quick installation guide 1 x warranty card
Note	This product requires additional modules (sold separately) to function.

## Dimensions

Unit: mm (inch)



## Ordering Information

Model Name	Input Voltage
TRC-190-AC	100-240 VAC (47-63 Hz)
TRC-190-DC-48	48 VDC

## Accessories (sold separately)

### Brackets

Plate-1	Chassis converter bracket accessory package, 9 brackets, 9 screws (FMS M3 X 6 mm)
BKT-PWR	Chassis converter rackmount kit accessory package, 2 L-shaped metal plates, 8 screws (FMS M4 x 6 mm)

### Communication Modules

TCF-142-M-SC-RM	RS-232/422/485 to multi-mode fiber slide-in module converter, SC connector
TCF-142-M-ST-RM	RS-232/422/485 to multi-mode fiber slide-in module converter, ST connector
TCF-142-S-SC-RM	RS-232/422/485 to single-mode fiber slide-in module converter, SC connector
TCF-142-S-ST-RM	RS-232/422/485 to single-mode fiber slide-in module converter, ST connector
CSM-G200-1221	10/100/1000BaseT(X)-to-100/1000BaseSFP slide-in media converter module
CSM-200-1213	10/100BaseT(X) to 100BaseFX slide-in module media converter, multi-mode ST connector
CSM-200-1214	10/100BaseT(X) to 100BaseFX slide-in module media converter, multi-mode SC connector
CSM-200-1218	10/100BaseT(X) to 100BaseFX slide-in module media converter, single-mode SC connector

### Power Cords

PWC-C13AU-3B-183	Power cord with AU plug, 1.83 m
PWC-C13CN-3B-183	Power cord with three-prong CN plug, 1.83 m
PWC-C13EU-3B-183	Power cord with EU plug, 1.83 m
PWC-C13JP-3B-183	Power cord with JP plug plug, 7A/125V, 1.83 m
PWC-C13UK-3B-183	Power cord with UK plug, 1.83 m
PWC-C13US-3B-183	Power cord with US plug, 1.83 m

#### Power Supplies

PWR-190-AC	110 to 240 VAC power supply for the TRC-190-AC
PWR-190-DC-48	36 to 53 VDC power supply for the TRC-190-DC-48
ME-10-T	1-slot chassis with redundant 12 to 48 VDC power inputs

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