

# TRC-190 Series

## Rackmount chassis for the N Rack System™



- > 19-inch chassis for rackmount use
- > 19 slots for high density applications
- > Supports hot-swap and dual power input with redundancy
- > Fan-less chassis design reduces repair time



### Introduction

The TRC-190 series 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 module available for greater reliability. The TRC-190 series' power input module supports the hot-swap feature.

### Specifications

#### Physical Characteristics

**Housing:** SECC (1.2 mm)  
**Dimensions:** 440 x 260 x 77 mm (18.6 x 11 x 3.3 in)  
**Weight:** 5.2 kg (11.4 lbs), with one power module installed  
**Number of Slots:** 19 slots in the front for slide-in modules, 2 slots in the back for power supply modules

#### Environmental Limits

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

#### Power Requirements

**Input Voltage:** Universal 100 to 240 VAC (47 to 63 Hz) or 36 to 72 VDC

#### Power Consumption:

Max. Output: 5.4 A @ 12 V

#### Standards and Certifications

**Safety:** UL 60950-1, EN 60950-1  
**EMC:** CE, FCC  
**EMI:** EN 55022 Class A, FCC Part 15 Subpart B Class A  
**EMS:**  
 EN 61000-4-2 (ESD) Level 3,  
 EN 61000-4-3 (RS) Level 2,  
 EN 61000-4-4 (EFT) Level 2,  
 EN 61000-4-5 (Surge) Level 2,  
 EN 61000-4-6 (CS) Level 2,  
 EN 61000-4-8 (PFMF) Level 3,  
 EN 61000-4-11 (DIPS)

**Green Product:** RoHS, CRoHS, WEEE

**MTBF** (mean time between failures)

**Time:** 1,055,112 hrs

**Database:** Telcordia (Bellcore), GB

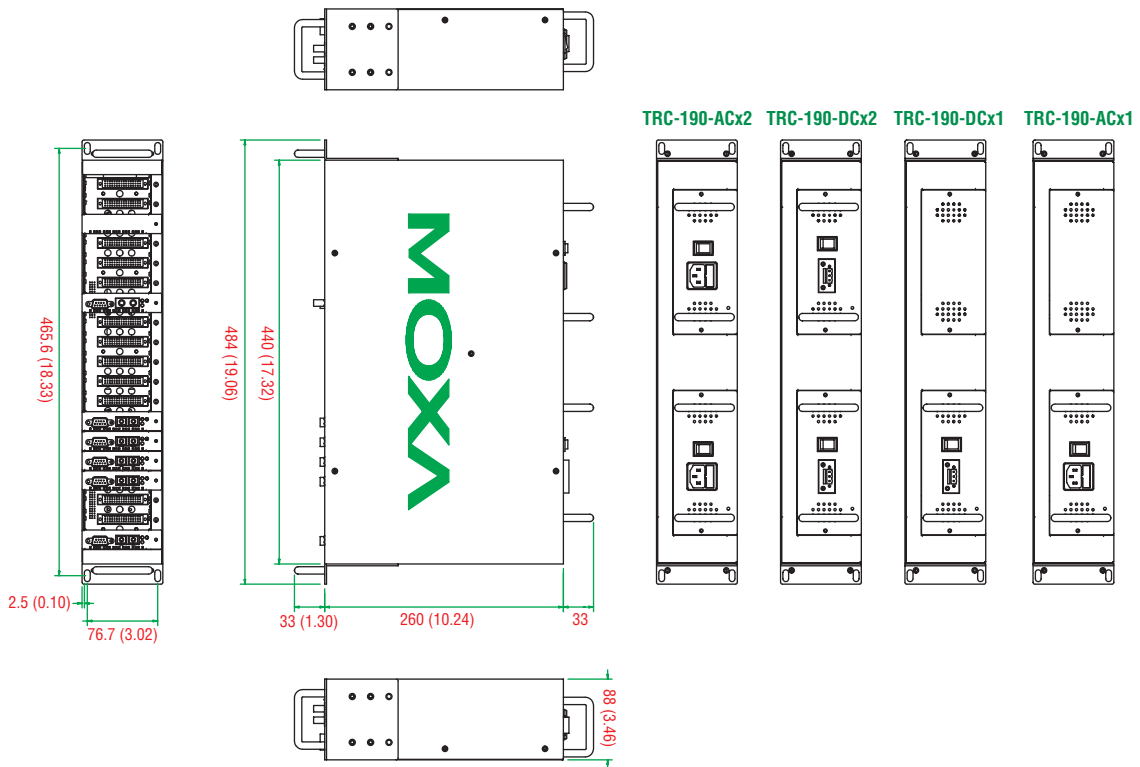
#### Warranty

**Warranty Period:** 5 years

**Details:** See [www.moxa.com/warranty](http://www.moxa.com/warranty)

Dimensions

Unit: mm (inch)



Ordering Information

Available Models

**TRC-190-AC:** Rack chassis, 2U, single 110 to 240 VAC input, with 19 slots on front panel

**TRC-190-DC-48:** Rack chassis, 2U, single 36 to 72 VDC input, with 19 slots on front panel

Available Slide-in Modules

**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

**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

Optional Accessories (can be purchased separately)

**PWR-190-AC:** Redundant power supply, 110 to 240 VAC

**PWR-190-DC-48:** Redundant power supply, 36 to 72 VDC

**Plate-1:** Face plate to cover unused front panel slots (required for all unused slots)

Package Checklist

- 1 TRC-190 with single power input
- Power cord (for TRC-190-AC only)
- 18 face plates
- User's Manual (printed)
- Warranty card