

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
- > Fanless chassis design reduces servicing costs



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 88 mm (17.32 x 10.24 x 3.46 in)
Weight: 5.2 kg (11.4 lb), with one power module installed
Number of Slots: 19 slots on the front for slide-in modules, 2 slots at 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 ±48 VDC (36 to 53 VDC and -36 to -53 VDC) or 220 VDC
Input Current:
 3.2 A @ 36 VDC max.

Standards and Certifications

Safety: UL 60950-1, EN 60950-1
EMC: CE, FCC
EMI: EN 55032 Class A, FCC Part 15 Subpart B Class A
EMS:
 EN 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV
 EN 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m
 EN 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV
 EN 61000-4-5 Surge: Power: 1 kV; Signal: 0.5 kV
 EN 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m
 EN 61000-4-8 PFMF
 EN 61000-4-11
Green Product: RoHS, CRoHS, WEEE

MTBF (mean time between failures)

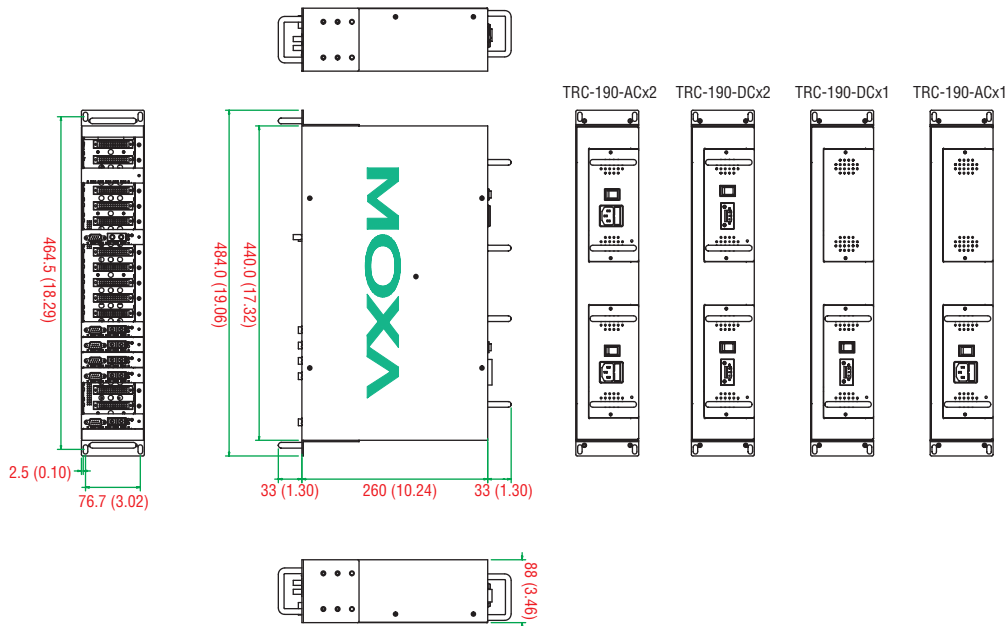
Time: 1,055,112 hrs
Standard: Telcordia (Bellcore), GB

Warranty

Warranty Period: 5 years
Details: See 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: 110 to 240 VAC power supply for the TRC-190-AC
PWR-190-DC-48: 36 to 72 VDC power supply for the TRC-190-DC-48
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 the TRC-190-AC only)
- 17 face plates
- User's manual (printed)
- Warranty card