

MCR200 Modular Chassis System

Compact 2-module chassis for Media Converters and Ethernet Extenders



- 2-slot chassis that accepts **Perle hot-swappable slide-in modules**
- Slim, low-profile size
- High reliability with no internal fan
- Wall-mount or desktop for flexible installations

The **MCR200 Media Converter Chassis** is a compact 2-slot chassis that provides housing for any combination of **Perle Ethernet Copper Extender** and **Fiber Media Converter Modules**. This mix and match flexibility enables the chassis to support a wide variety of network structures where, in low to mid-density applications, a limited number of copper extenders and/or fiber converters need to be quickly implemented. For a high density solution, please check out the **MCR1900 Media Converter Chassis**.

Two **unmanaged media converter modules** or **Ethernet extenders** can be installed in an MCR200 chassis. Sharing the same chassis power source, this cost effective solution eliminates the need for two power sources required by standalone devices.

When equipped with a **managed media converter** and **MCR-MGT management module**, the **MCR200 2-slot Chassis** provides a securely managed media converter solution for Enterprise and Service Provider networks. Perle supports all **authentication, authorization and accounting (AAA) security** services used in corporate networks, including **TACACS+, RADIUS, LDAP, Kerberos, NIS and RSA**. To further protect ID's and passwords from someone 'snooping' on the network, Perle Managed Media Converters provide **secure management sessions** by supporting **SSH, SNMPv3, Telnet and HTTPS**. And, advanced features enable users to optimize network traffic and resource allocation. Perle also offers a wide variety of **Stand-alone Managed Media Converters** with copper to fiber modules already integrated into the MCR200 Media Converter Chassis.

For those environments requiring a medium to large-scale deployment of media converters, a centralized platform that simplifies the configuration, administration, monitoring, and troubleshooting of this gear is recommended. **PerleVIEW Device Management** software is a multi-user, Windows server-based application that delivers this level of Enterprise-grade solution.

MCR200 Media Converter Chassis Features

2-slot chassis

Insert up to 2 copper or fiber modules into a single chassis. The modules share a common power source. A management module can also be installed with managed media converter modules.

Fan-less design

A high reliability design that does not require an internal fan

Hot-Swappable modules

Modules can be inserted and removed with no impact to the rest of the system. Upon insertion the module will automatically be powered up and begin functioning. Modules can be placed in any slot and in any order.

Rugged Chassis Design

- Unified design between chassis slot and module faceplates provide additional chassis strength
- Redundant horizontal supports ensure that slot alignment remains accurate enabling easy card insertion and removals over time
- Advanced card guide design along with 32 pin DIN 41612 connectors offer better card mating accuracy for reliable module additions and changes
- Made with zinc coated cold-rolled steel offering excellent corrosion resistance

Specifications				
Lifetime limited warranty	Reach, RoHS and WEEE Compliant	HTSUS Number: 8517.62.0020	UNSPSC Code: 43201602	ECCN: 5A991
				
Slots				
Support for Hot-swappable Modules		All Media Converter modules, management module and power supplies are hot-swappable For 10G Media Converter Module support, use the Perle MCR1900 Media Converter Chassis Empty slots can be covered with optional blanking plates		
Power				
Input Supply Voltage		(12 vDC Nominal)		

Current	12 mA at 12vdc
Power Consumption - typical	0.3 watts
Power Consumption Max	5.5 watts max with two modules installed (meeting operating temperature range specification)
Power Connector	5.5mm x 9.5mm x 2.1mm barrel socket
Power Adapter	
Universal AC/DC adapter	100-240v AC, regulated AC/12v DC adapter included
Environmental Specifications	
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	minimum range of -25°C to 70°C (-13°F to 158°F)
Operating Humidity	5% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Operating Altitude	Up to 3,048 meters (10,000 feet)
Heat Output (BTU/HR)	1.0
MTBF (Hours)*	• 2,770,553 Hours without power adapter • 449,299 Hours with power adapter <i>*Calculation model based on MIL-HDBK-217-FN2 @ 30°C</i>
Mounting	
Din Rail Kit	Optional
Rack Mount Kit	Optional
Product Weight and Dimensions	
Weight	0.57 kg
Dimensions	175 x 145 x 23 mm

Packaging	
Shipping Weight	1.0 kg
Shipping Dimensions	300 x 200 x 70 mm
Regulatory Approvals	
Emissions	- FCC Part 15 Class A - CISPR 32 / EN 55032 - EN61000-3-2
Immunity	CISPR 35 / EN 55035
Safety	- UL/EN/IEC 62368-1 - CAN/CSA C22.2 No. 62368-1 - UL 60950-1 - IEC 60950-1(ed 2); am1, am2 - EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 - CE

Product List



MCR200 - 2 slot chassis for Unmanaged or Managed Media Converter Modules and Ethernet Extenders. AC power adapter included

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05059964	05059961	05059962	05059965	05059966	05059968



MCR-MGT - Management Module for the MCR chassis. 10/100/1000 ethernet RJ45, serial console port RJ45, SNMP read/write, Telnet/SSH and Internet Browser access and advanced security

Part Number(s)

05051900

Related Accessories

Cable Accessories



3 meter RJ45 to RJ45 CAT5 Straight-thru cable
#1100360-10

04005120



DBA0020C - RJ-45F to DB-9F crossover (DTE) adapter
#1100300-10 for Perle serial console ports with Sun/Cisco
pinout.

04007040

Accessories



DIN Rail Mounting Kit for 4 & 8 port
IOLAN desktop models, all Stand-
Alone Media Converters and all
Stand-alone Ethernet Extenders. Two
of these brackets are required for the

04030840



MCR-FPL - Face Plate for Empty
Slots on MCR1900 Media Converter
Chassis

05059830



Standalone media converter wall /
rack mount bracket

05059999