MCR200 Media Converter Chassis

Compact 2-module chassis

- 2-slot chassis that accepts Perle hot-swappable fiber and copper modules for mix and match flexibility
- 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 separate standalone media converters or Ethernet extenders.

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 related products

- Unmanaged Media Converter Modules
- Managed Media Converter Modules
- Ethernet Copper Extender Modules
- Chassis Management Module
- MCR1900 Media Converter Chassis

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

Slots

Slots	2 slots for insertion of Perle • Unmanaged Media Converter Modules • Unmanaged Ethernet Copper Extender Modules • Managed Media Converter Modules and MCR-MGT management module 10G Media Converters Modules cannot be installed in this chassis. For 10G Media Converter Module support, use the Perle MCR1900 Media Converter Chassis Empty slots can be covered with optional blanking plates
Support for Hot-swappable Modules	All Media Converter modules, management module and power supplies are hot-swappable

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 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 without power adapter 449,299 with power adapter

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

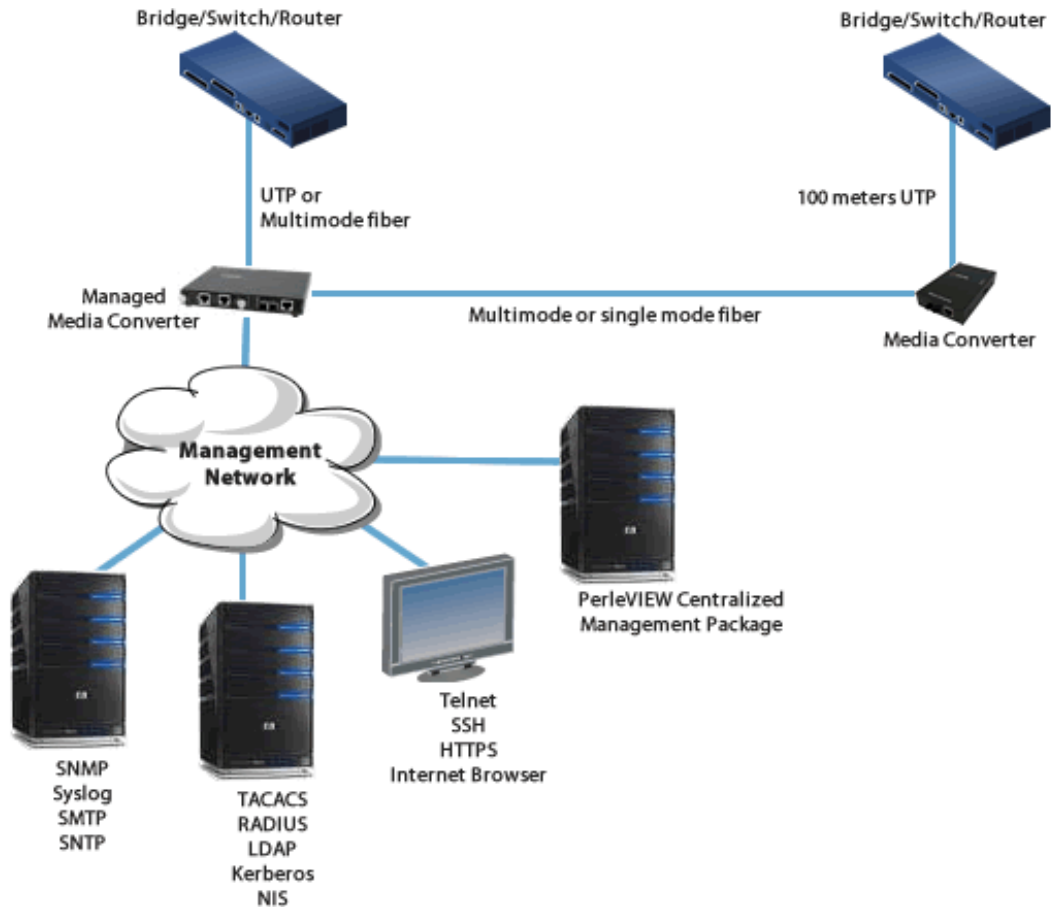|	
Emissions	FCC Part 15 Class A, EN55022 Class A
	CISPR 22 Class A CISPR 32:2015/EN 55032:2015 (Class A) CISPR 24:2010/EN 55024:2010
	EN61000-3-2
Immunity	EN55024
Electrical Safety	UL 60950-1
	IEC 60950-1(ed 2); am1, am2 EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
	CE
Environmental	Reach, RoHS and WEEE Compliant
Other	ECCN: 5A991
	HTSUS Number: 8517.62.0020
	Perle Limited Lifetime Warranty

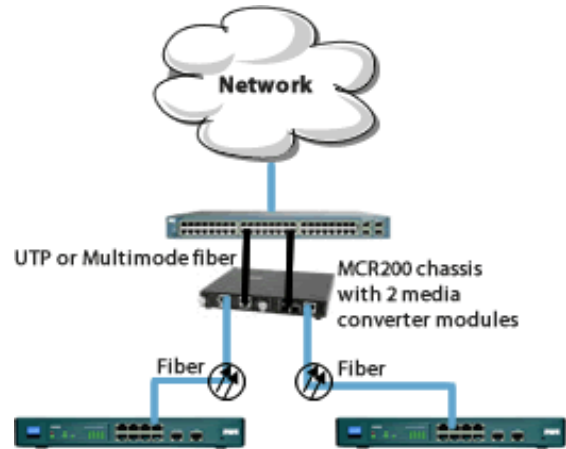*Calculation model based on MIL-HDBK-217-FN2 @ 30 °C

Managed Ethernet over Fiber Links

Manage your **copper to fiber, multimode to single mode or multimode to multimode** link with an MCR200 chassis housing a media converter and management module. Ideal for use in managed networks with low density fiber applications, this Managed Media Converter is connected across a fiber link to a remote media converter. The copper or fiber link on the managed standalone unit can provide vital information and status to network management tools such as SNMP.
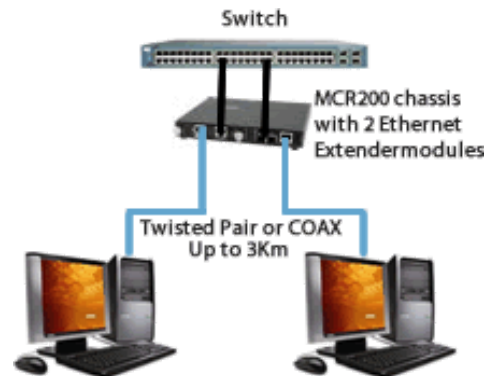

Dual Media Converter Application

Whenever there is a requirement that would normally require two standalone media converters, an MCR200 with 2 media converter modules installed is the ideal solution. Both media converter modules will share the same chassis power source, simplifying and reducing the cost of installation. Shown here are two remote fiber switches that need to be connected on two separate RJ45 ports on the same central switch.

Extend 10/100/1000 Ethernet across Twisted Pair or Coaxial Wire

Extend an Ethernet link beyond the 100 meter (328 feet) limit using Ethernet Extenders. Distances of up to 3 km (10,000 feet) can be achieved over twisted pair Cat 5,6 or 7 cable. You can also install along with Ethernet to Fiber Media Converter Modules and extend the Ethernet connection over fiber for greater distance.

Part Number: 05059964

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

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