



# LONGSHINE Technologie (Europe) GmbH

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## LCS-C819

19" Rack-Mount 12-slot

Standalone Media Converter Chassis



Introducing the latest addition to our media converter product line - the **LCS-C819** 19" rack-mount 12-slot converter chassis. This chassis offers the user a dedicated and secure environment for multiple media conversion applications. It also allows the uses of existing and new media converters in the rack-mounted installation.

**Flexibility** - the chassis supports up to 12 standalone media converter modules covering protocols of 10Base-2, 10Base-T, 10Base-FL, 100Base-TX, 100Base-FX, ATM, Gigabit, RS-232/422/485, T1/E1, and Video conversion. In addition, both multi-mode and single mode options are supported.

**Reliability** - the **LCS-C819** also comes with two high quality hot swappable power supplies. Either power unit can be removed without disturbing the chassis' operation - offering total efficiency, maximum redundancy and minimum down time. Each module is supplied from a common shared power bus - but as an added precaution, each is individually protected in the event of a problem on the bus or from the power supply. Each converter can be removed or loaded without powering down.

**Functional** - the chassis was carefully designed to offer a lifetime of operation. Incorporated in the chassis are three long-life cooling fans to ensure a cool operating environment. Each fan is monitored and connected to the LED status panel. The chassis also features an LED status panel. This indicates that power is supplied to each module and that the fans are functioning correctly. The power supply also features a "trigger guard" to prevent the unit from being accidentally switched off.

**Additional Features:** The **LCS-C819** features two high quality 75Watt power supplies configured as load sharing which reduces the loading on each supply. This allows for redundancy in the unlikely event that a power supply should fail. Also, in addition to the PS providing their own protection, we have employed protection circuitry on the power bus which effectively isolates each slot from the other. At all times the individual supply to each slot is monitored – if it falls out of parameter, the LED status panel will indicate so. As the **LCS-C819** is designed for everyday applications as well as mission critical requirements. It is installed with three fans. Each fan provides a high volume air flow with very little noise thanks to the ball-bearing rotor mounts. Each fan is monitored on the status panel that ensures a constant cool operating environment.

**Applications:** The **LCS-C819** can accommodate a wide variety of our existing and future media converters - please contact us for details regarding these products.

### Features:

- ◆ High quality 19" rack-mount chassis
- ◆ Supports up to 12 media converters which can also be used as standalone
- ◆ Supports two load sharing, hot swappable power supplies
- ◆ Three high volume cooling fans ensure perfect operating environment
- ◆ LED status panel with fan and slot power LEDs
- ◆ Supports slot power isolation - ensures that power in each slot is isolated from the next
- ◆ Supports 10/100/1000Base, copper, fiber, single/multi-mode, ST, SC, MT-RJ, VF-45, LC connector
- ◆ Prevents network downtime and protects your converter investments
- ◆ Ideal for mission critical networks such as Enterprises, Banks, the Military, etc.



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## Specifications:

<b>Chassis Specs:</b>	
Capacity:	Twelve
Chassis:	Aluminium/Steel
Power:	Two (2) power supplies, load sharing, hot swappable
LEDs:	3, red - for fan status, 12, green - for bay power status, 1, red - for each power supply
Cooling:	Three 42.5 cfm rear-mounted fans
Dimensions:	430 x 290 x 133mm (LxWxH) (EIA 3U)
Weight:	9 kg (with 12 converters, one power supply)
<b>Power Supply Specs for AC (MPS-75R)</b>	
AC Input:	90~260V AC @ 47~63Hz
DC Output:	Norm. +12V, Min. +11,88V, Max. +12,12V
Load:	Min. 0A, Full 6.4A
Total Reg:	+/- 1.0%, Rip. 120mV, Load 1.0%, Line 0.5%
Overload Protection:	All outputs protected against short circuit conditions, automatic recovery
Over Volts Protection:	Output level exceeding + 13.2V causes shutdown automatic recovery
Temperature:	Operation: 0°C to 50°C Storage: -55°C to 85°C
EMI:	FCC Part 15 Class B, CE
Safety:	UL 1950, CSA 234, 22.2, TÜV EN60950
<b>Power Supply Specs for DC -48V (MPS-75D)</b>	
DC Input:	-48V +/- 10%
DC Output:	Norm. +12V, Min. +11.76V, Max +12.24V, 75Watts
Load:	Min. 0A, Full 6.4A
Total Reg:	+/- 2.0%, Rip. 120mV, Load 2.0%, Line 1.0%
Overload Protection:	Output protected against short circuit conditions, automatic recovery
Over Volts Protection:	Output level exceeding +13.2V causes shutdown - automatic recovery
Temperature:	Operation: 0°C to 50°C Storage: -55°C to 85°C
<b>Fans Specs</b>	
Speed:	2510 rpm +/- 250, Delivery 42.5 ft Per Min
Noise Level:	36.5 dB(A)
Temperature:	Temperature Operation: -10°C to 50°C Storage: -40°C to 70°C
Bearing:	Precise ball bearing
Safety:	UL/cUL/TÜV approved