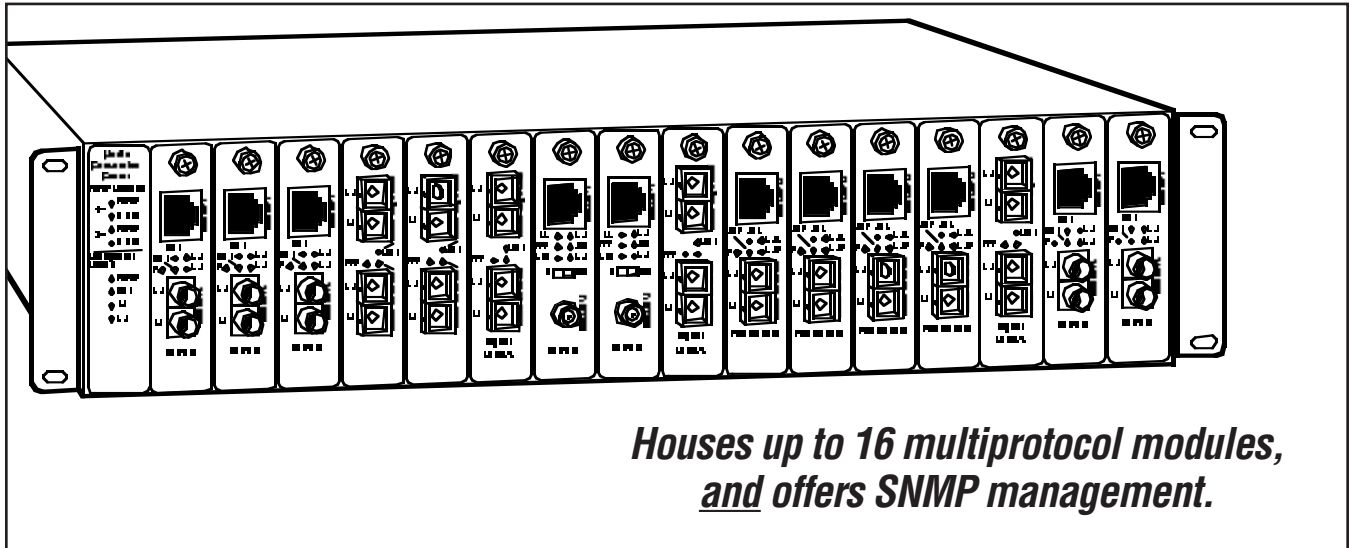


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BLACK BOX

NETWORK SERVICES

MEDIA CONVERSION CENTRE



*Houses up to 16 multiprotocol modules,
and offers SNMP management.*

Key Features

- ▶ **More interface choices than any other modular media converter.**
- ▶ **Modular construction for quick additions and changes.**
- ▶ **Optional SNMP management.**
- ▶ **Supports ATM, Token Ring, and other networks.**
- ▶ **Easily rackmountable for space-saving installations.**
- ▶ **Optional redundant power supply for extra reliability.**

Overview

This is the modular media converter that gives you maximum cabling versatility. The Media Conversion Centre is a mountable, manageable, high-density, multiprotocol and multimedia converter.

Use a variety of interfaces—ATM, Token Ring, FDDI, Ethernet, Gigabit Ethernet—in one converter chassis. And with room for up to sixteen modules, one SNMP module (for SNMP management), and a redundant power supply, you're not wasting space in your wiring centre.

Since the modules are hot-swappable, you have virtually zero downtime. The optional redundant power supply is hot-swappable, too, so your system will always stay up and running.

But the SNMP management is what truly makes this Media Conversion Centre one of a kind. The graphical user interface lets you identify each module from any remote location. Port or wiring failures, or other problems, can be quickly detected and repaired.

Technically Speaking: Media Converters

Many variations of the IEEE 802.3 Ethernet specification exist: 10BASE2, 10BASE-T, 10BASE5, 10BASE-FL. Each standard clearly defines unique requirements for network communications using different components and different cables. Bridging the gap between these various Ethernet types is the job of the media converter. Media converters transparently convert the

incoming electrical signal from one cable type so that it can continue to be transmitted over another type—thick coax to Thin, UTP to fibre, etc. But how do you know if you need a single connection or multiple connections for your network?

If you only need to translate between two wiring systems, a standalone media converter will do the job. As your network expands, however, you're likely to have many cable types to translate—that's why a media converter chassis is a good choice. Select the appropriate chassis size, and then choose the converter modules for the multiple connections you need. A converter chassis houses everything in one rackmountable box, so you save space. Since replacing or upgrading modules is a snap, you don't waste time changing your network design.



Specifications

Connectors — RJ-45 for 10BASE-T, 100BASE-TX, Token Ring UTP, and CDDI; BNC for 10BASE2; Fibre ST or SC (depending on module) for 10BASE-FL, 100BASE-FX, FDDI, Gigabit, and Token Ring Fibre

Approvals — UL® listed EN60950; FCC and CISPR class A; CE mark

Operating Temperature — 0 to 40°C

Relative Humidity Tolerance — 5 to 90%, noncondensing

Power — 120/240 VAC, autosensing

Size — Chassis: 8.9 x 43.2 x 35.6 cm; Media Converter Cards: 7.6 x 11.9 x 35.6 cm; Power Supply Modules: 6.9 x 19.1 x 19.8 cm; Management Module: 2 x 13.5 x 19.6 cm

Weight — Chassis: 5.9 kg; Media Converter Cards: 0.1 kg; Power Supply Modules: 1.2 kg; Management Modules: 0.1 kg

Ordering Information

ITEM	CODE
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First, order a chassis...

Media Conversion Center Chassis (2U)LMC1600A

Then stock it with modules to make all the conversions you need for your application...

Conversion Center Media Conversion Modules

10BASE-T to 10BASE-FL

Multimode-STLMC1601C

Single-Mode-STLMC1601C-SM

10BASE2 to 10BASE-TLMC1602C

10BASE2 to 10BASE-FL Multimode-STLMC1603C

100BASE-TX to 100BASE-FX

Multimode-STLHC1604C-R2

Multimode-SCLHC1604C-SC-R2

Single-ModeLHC1604C-SM-R2

1300-nm Multimode to 1300-nm Single-

Mode, Protocol Independent SC-SCLHC1606C

Gigabit Single-Mode to Multimode,

850 nm–1300 nm SC-SCLHC1607C

CDDI to FDDI

850-nm Multimode-SCLHC1608C

1300-nm Single-Mode-SCLHC1608C-SM

850-nm Token Ring UTP to

Multimode-STLMC1609C-TR

1300-nm Token Ring UTP to

Single-Mode-STLMC1609C-SMTR

For redundancy and reliability, you may also need...

Conversion Center Redundant

Power SupplyLMC1600-PS

To monitor and manage your Media Conversion Center, order...

Conversion Center SNMP

Management ModuleLMC1600-MM

You may also want to order cable...

Bulk Category 5 Solid-Conductor Cable,

4-Pair, Straight-Pinned, PVCEYN737A

Duplex Fiber Optic Cable, PVC, ST-ST,

Custom LengthsEFN062-CC

Single-Mode Duplex Fiber Optic Cable,

PVC, SC-SC, Custom LengthsEFN5010

