



Overview

The VILINK MC1600 manageable rack mount Media Converter is a 2U rack mount media converter chassis with a Network Management Module, it provides a universal platform that facilitates 10/100 M and 10/100/100M Ethernet media converter modules, operating in high temperature NEMA harsh environment conditions.

The MC1600 chassis accommodates up to 16 hot-swappable modules with redundant power supplies, combining for the collective management of the equipment in the equipment room. It is allowed to insert 16 transmitting and receiving modules in different types. It can extend the conventional 10/100M Ethernet or 1000M Fast Ethernet to 20Km~100Km via the quick Ethernet Fiber-optical Line. The collective dual power supplies can ensure the uninterrupted operation of the system.

The MC1600-NMS network management module is designed to collect the relational information from the media converters installed in the chassis, and manage the functions of media converters. The module provides one general 10/100M RJ45 port and one general RS232 console port. The NMS can manage both local and remote Media Converters.

The Vilink's manageable system software supports the management functions base on WEB Management and provides full range of standards such as HTTP, SNMP, TFTP, TELNET ...etc. The system has proper interface for each Media Converter.

The NMS also supports local command-string management via Console port, the users can manage the devices via other networks such as Telephone System, in case the Ethernet networks failed.

Features

- Supports local and Remote Web Management
- 17 Slots Chassis (16 i/o Slots, 1 NMS Slot)
- Fully Complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX standard
- Extend fiber distance up to 2km for MM fiber and 20-100km for SM fiber
- Support Local and Remote management
- Supports Full Standard HTTP, SNMP
- Extended temperature
- AC100V-AC240V and DC-48V is optional

Applications

- ITS Traffic Applications
- Long Distance CCTV/PTZ
- Utility System
- Military Applications
- Premise Networks

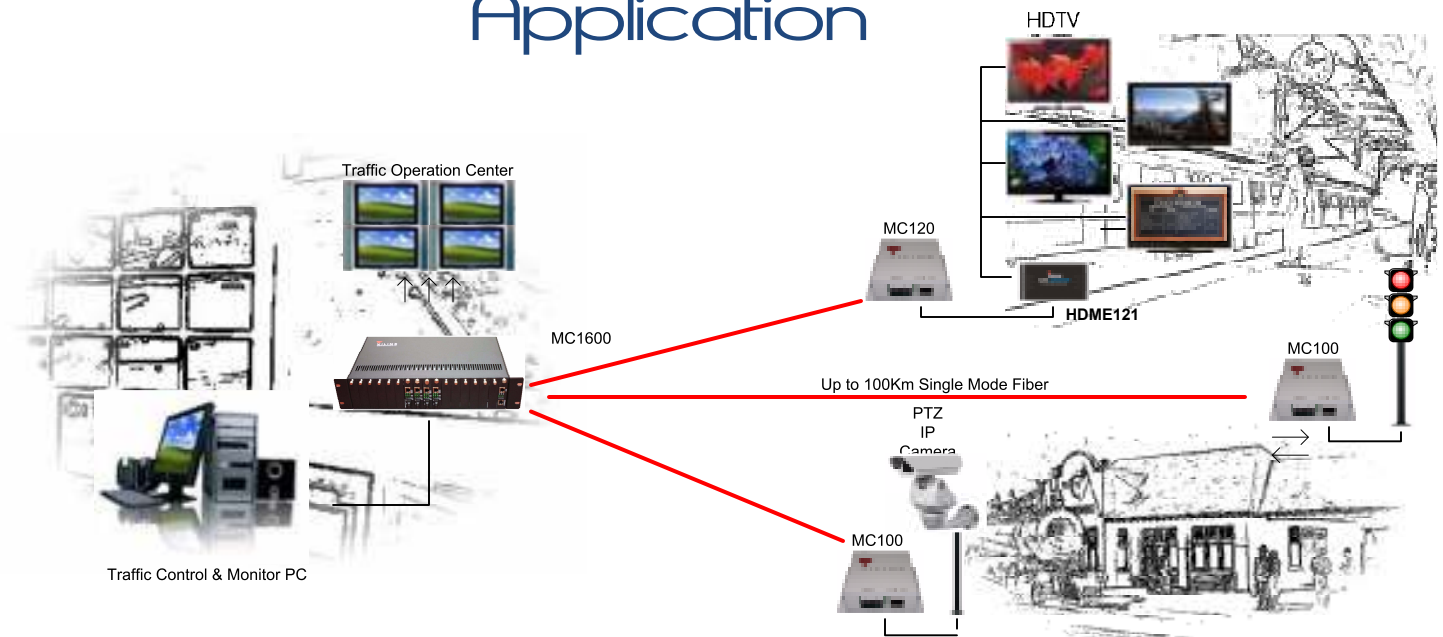
Ordering Information

Model	Descriptions
MC1600	16 slots Media Converters Managed NEMA Chassis with Dual AC Power Supply <small>*** Please Consult Factory for Additional Model Numbers***</small>

System:	
I/O Slots	16 Hot Swap MC
Indicators	PWR, Link
Management	Local Console and Remote Web
Standards	IEEE802.3 10BaseT IEEE802.3u 100Base TX/FX IEEE802.3 ab 1000Base TX IEEE802.3 3z FX
Network Management :	
Interface	Web Browser, SNMPv1, v2c Monitor
Port Configuration	Port enable, Auto-Negotiation, Full and Half Duplex mode, Flow Control Enable, Bandwidth Control
VLAN	16 IEEE 802.1Q VLAN / Q-in-Q VLAN
TS-1000 OAM	IEEE 802.3ah OAM / Loop Back Test
Link Aggregation	Supports IEEE 802.3ad LACP
QoS	802.1p Priority, DSCP field in IP
IGMP Snooping	IGMP (v1/v2) Snooping, up to 64 Multicast groups
SNMP MIBs	RFC-1213 MIB-2, RFC-1573 MIB RFC-2819 RMON MIB (Group 1)

Input Power	
AC	90~240 VAC @ 50/60 Hz
DC	-48 VDC
Current	5 Amp Max
Output Power:	
Output Power	120 Watts
Output Voltage	+5 VDC @ 20 Amps
Power Fold back	120% of Max
Line Regulation	+/- 0.2%
Load Regulation	+/- 0.5%
Noise/Ripple	25 mV RMS, 50 Vp-p Max
Overshoot	5% Max
Physical:	
Dimensions	19" x 3.5" x 12"
Weight	10 lbs
Environment:	
Operating	-34 ^o C to +74 ^o C
Storage	-40 ^o C to + 95 ^o C
Humidity	98% Non-Condensing

Application



Typical MC100/MC120 and MC1600 Application