I infinique™

IMC-CTR-14-2U

Media Converter Chassis, 14 Slots with Redundant Power Supply, 2U Rack Mountable

The IMC-CTR-14-2U is a rack mountable media converter chassis with a height of 2U, that has 14 slots to accommodate media converter. It reduces the connection lines with simplified structure to facilitate management and maintenance. This chassis supports hot-swappable redundant power supply with an option to select single or dual power supply.
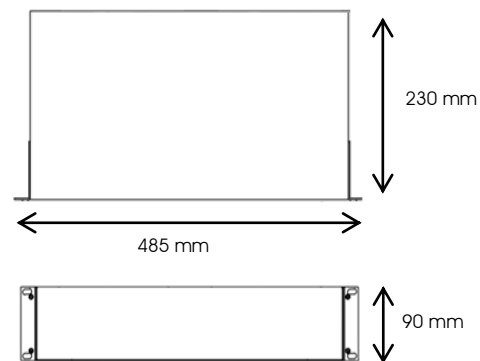
In dual power supply mode, both the power supplies are used to provide power, which reduces the load of each power supply and prolongs the life span of the power supplies. The chassis provides reliability, high capacity, excellent performance, ease of maintenance and is an optimal solution for the optical fiber Ethernet network system.

The solution can be used in a wide range of applications, such as security monitoring, wireless coverage, intelligent transportation, safe cities, etc. to build a cost-effective and stable communication network.

Features and Benefits

- **Rack Mountable High Density Chassis**
  Rack Mountable 2U Chassis, with a high density of 14 slots to mount media converters
- **Reliable Transmission**
  All ports support non-blocking wire-speed forwarding for reliable transmission
- **Hot Swappable Redundant Power Supply**
  Redundant Power Supply with option for using single or dual power supply mode
- **Robust Design**
  Aluminum enclosure offers high shielding performance, and strong anti-interference ability
- **Ease of use**
  All the 14 slots provides hot-swappable functionality, LED status indicators which offers ease of use
- **Applications**
  Security monitoring, wireless coverage, intelligent transportation, safe cities, etc.

CONSTRUCTION

230 mm

485 mm

90 mm

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TECHNICAL SPECIFICATIONS

Chassis Slots	14
Rack Units	2U
Ethernet Port Feature	10/100/1000Base-T, Auto Sensing, Full/Half Duplex MDI/MDI-X Self Adaption
SFP Port Feature	Gigabit SFP, Singlemode, Multimode, Single or Dual Fiber

ELECTRICAL

Power Supplies	2 AC Power Supplies
Hot Swappable	Supported
Power Consumption	Standby 20W, Operational 60W
Power Input	75W
Power Source	AC 100V-240V
Anti-Reverse Protection	Supported
Overload Current Protection	Supported
LED Indicator	Power: Green, Network Link: Yellow, Optical Port: Green

ENVIRONMENTAL

Operating Temperature (C)	-20 to +55
Storage Temperature	-40 to +85
Operating Humidity	5% - 95% non condensing

MECHANICAL

Dimensions (mm)	485 (w) x 90 (h) 230(d)
Weight (g)	4800
Housing	Aluminum Die Cast
Finish	Black Power Coat, RAL 9005
Installation	19" Rack Mount
Lightning Protection	6KV 8/20us
Ingress Protection Rating	IP30

MTBF

Time	>50,000 hrs

TWISTED PAIR TRANSMISSION

10BASE-T	Cat3, 4, 5 UTP ≤100 meter
100BASE-TX	Cat5 or later UTP ≤100 meter
1000BASE-T	Cat5e or later UTP ≤100 meter

OPTICAL FIBER

	Multimode	Singlemode
Wavelength	850nm	1310nm
Tx Output (dBm)	-3 to -10	-3 to –9
Rx Sensitivity (dBm)	-3 to –20	-3 to –21
Link Budget (dBm)	10	12
Typical Distance	500m	20km

NETWORK PROTOCOL

IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;
IEEE802.3u 100Base-TX;
IEEE802.3ab 1000Base-T
IEEE802.3z 1000Base-X
IEEE802.3x

STANDARDS COMPLIANCE

IEC61000-4-2 ESD:±8kV contact discharge,±15kV air discharge
IEC61000-4-3 RS:10V/m(80~1000MHz)
IEC61000-4-4 EFT: power cable:±4kV; data cable:±2kV
IEC61000-4-5 Surge: power cable:CM±4kV/DM±2kV; data cable:±4kV
IEC61000-4-6 Radio Frequency Transmission:10V(150kHz~80MHz)
IEC61000-4-8 Power Frequency Magnetic Field:100A/m;1000A/m ,1s to 3s
IEC61000-4-9 Pulsed Magnet Field:1000A/m
IEC61000-4-10 Damped Oscillation:30A/m 1MHz
IEC61000-4-12/18 Shockwave: CM 2.5kV,DM 1kV
IEC61000-4-16 Common Mode Transmission:30V; 300V,1s

Environmental	IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-3
Emissions	CCC; CE FCC Part 15 Subpart B Class B EN 55022:2010 IC ICES-003 Class B IEC61000-6-2 Common Industrial Standard
Immunity	EN 55024:2010
Safety	EN 60950-1, UL 60950-1, EU: 2001/95/EC GPSD RoHS

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
IMC-CTR-14-2U	Infinique Media Converter Chassis, 14 Slots with Redundant Power Supplies, 2U Rack Mountable
IMC-SM1E1FSC-S	Infinique Ethernet to Fiber Media Convertor, 1 x 10/100 Ethernet Port, 1 x 155Mbps FX Port, Singlemode, 20KM, includes Power Supply

I infinique™ Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.

Product specification, design and availability subject to change without prior notice.