

Converter

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The power of networks

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	100MBPS	100MBPS	100MBPS	100MBPS	100MBPS	1000MBPS	1000MBPS	1000MBPS
Descriptions	CTM-RC0202-AU	CTM-RT0202-AU	CTS-RC0202-AU	CTS-RC0202-A-SC	CTS-RC0202-B-SC	CSM-LC0202-AG	CTS-LC0100-SM	CTS-LC0500-MM
Complies with IEEE802.3u 10Base-T/100Base-TX, 100Base-FX Standards.	/	/	/	/	/	Complies with IEEE802.3ab 10/100/1000Base-T, IEEE802.3z 1000Base-SX/LX Standards.	Gigabit Ethernet Links	Gigabit Ethernet Links
TP port support Auto-MDIX & Auto-negotiation.	/	/	/	/	/	TP port support Auto-MDIX & Auto-negotiation.	Fibre Channel Links at 1.06 Gbps	Fibre Channel Links at 1.06 Gbps
Can be installed on media converter chassis. (CSM-MCC016-AG)	/	/	/	/	/	Up to 100 meters for 1000Base-T Cat5, 5e or 6 twisted pair cable.	Speed Backplane Interconnects	Speed Backplane Interconnects
Supports fault propagation.	/	/	/	/	/	Supports Full-duplex operation. (Gigabit Std).	Switched Backbones	Switched Backbones
Multiple fiber connector supports.	SC	ST	SC	SC	SC	Switch base design support flow control capability.	Features :1310nm VCSEL	Features :850nm VCSEL
LED indicator supports.	/	/	/	/	/	1000Base-SX interface for up to 220 meters. (Multi-mode 62.5/125 µm MMF optic cable).	Features :Data Rate: 1.25Gbps, NRZ	Features :Data Rate: 1.25Gbps, NRZ
100Base-FX interface (Single-mode 9/125 µm SMF optic cable)	-	-	20km Duplex FO	15km Simplex FO	15km Simplex FO	1000Base-SX interface for up to 550 meters. (Multi-mode 50/125 µm MMF optic cable).	Features :Single +3.3V Power Supply	Features :Single +3.3V Power Supply
100Base-FX (Use 50/125 µm or 62.5/125 µm MMF optic cable)	2km Duplex FO	2km Duplex FO	-	-	-	1000Base-LX interface for up to 40 km. (Single-mode 9/125 µm SMF optic cable).	Features :10Km length ,Duplex FO/MM	Features :0.5Km length ,Duplex FO/MM
Supports Full-duplex & Half-duplex operation on fiber by slide switch.	/	/	/	/	/	LED indicator supports.	Features :Compliant and Lead-free	Features :Compliant and Lead-free
Switch base design support flow control capability.	/	/	/	/	/	Can be installed on media converter chassis. (CSM-MCC016-AG)	Features :AC/AC Differential Electrical Interface	Features :AC/AC Differential Electrical Interface
Supports Full-duplex & Half-duplex operation on TP base on Auto-negotiation.	/	/	/	/	/	Standards Fully compliant with IEEE 802.3 10BASE-T/IEEE 802.3u 100BASE-TX/IEEE 802.3z 1000BASE-SX,1000BASE-LX and IEEE 802.3ab 1000BASE-T Standards	Features :Duplex LC Connector	Features :Duplex LC Connector
Standards IEEE 802.3u 10Base-T/100Base-TX and 100Base-FX	/	/	/	/	/	Standards Complies with the IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet and IEEE 802.3ab Gigabit Ethernet Standards	Features :compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)	Features :compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)
Media support 10Base-T EIA/TIA 568 Cat3, 4, 5, 5e or 6 UTP/STP	/	/	/	/	/	Standards 1000Base-T Cat5, 5e or 6 UTP/STP	Features :with specifications for IEEE-802.3z Gigabit Ethernet at 1.25 Gbps	Features :with specifications for IEEE-802.3z Gigabit Ethernet at 1.25 Gbps
Media support 100Base-TX EIA/TIA 568 Cat5, 5e or 6 UTP/STP	/	/	/	/	/	Media support 1000Base-SX Multi-mode 50/125 µm & 62.5/125 µm MMF	Features :Compliance with ANSI specifications for Fibre Channel applications at 1.06 Gbps	Features :Compliance with ANSI specifications for Fibre Channel applications at 1.06 Gbps
Media support 100Base-FX Multi-mode 50/125 µm & 62.5/125 µm MMF	/	/	-	-	-	Media support 1000Base-LX Single-mode 9/125 µm SMF	Features :Eye Safety	Features :Eye Safety
Media support 100Base-FX Single-mode 9/125 µm SMF	-	-	/	/	/	Distances Support Twisted pair STP 100 meters / 328ft		
Data Transfer Rate 100Mbps/10Mbps	/	/	/	/	/	Distances Support 220m for 62.5/125 µm MMF optic cable	CSM-MCC016-AG	SMD-2402
LED indicators System - power	/	/	/	/	/	Distances Support 550m for 50/125 µm MMF optic cable	Features ■ Plug & Play Operation ■ Provides housing for upto 16 media converters ■ Front panel LEDs indication ■ Standard 19" rack-mount size, 3U height ■ 16 slots front panel for media converter series ■ 2 slots rear panel for slide-in AC/DC Power ■ Hot swappable, Easy & quick replacement of converters and power supplies ■ Bay power isolation, ensure each bay is electrically isolated from each other ■ Two redundant power supplies with load-sharing to ensure non-stop reliable operation ■ Power isolation design with converters bays: ensure each bay is electrically isolated from each other ■ Switch base design support flow control capability	Features ■ Compliant with the IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T specifications ■ 24 port 10/100Mbps TX Auto-Negotiation and 2 port 10/100/1000Mbps TX ■ Supports TP interface Auto MDIX function for auto TX/RX swap ■ Support up to 4K MAC address ■ Up to 1M bits packet buffer ■ Supports Store & Forward architecture and performs forwarding and filtering ■ IEEE802.3x flow control for Full-duplex ■ Back Pressure function for Half-duplex operation Supports to handle up to 1518 bytes packet LED indicators for simple diagnostics and management ■ Built-in power ■ Standard IEEE802.3 10Base-T ■ Standard IEEE 802.3u 100Base-TX ■ Standard IEEE802.3ab 1000Base-T
LED indicators Twisted pair port – Link/Activity, Speed and FDX/Col	/	/	/	/	/	Distances Support 40km for 9/125 µm SMF optic cable	■ MAC Address Table 4K ■ Built-in Buffer 1M bits ■ Transmission Method Store and Forward	■ LED Indicators Power, Link/Activity ■ Dimension 38mm(L) x 250mm(W) x 44mm(H) ■ Weight 5000g ■ Temperature 0° to 50° C (operating), -20° to 70° C (storage) ■ Humidity 5% to 90 % non-condensing (operating) ■ Humidity 5% to 90% non-condensing (storage) ■ Certifications FCC, CE
LED indicators Fiber port – Link/Activity & FDX LEDs	/	/	/	/	/	Wavelength 850nm for 1000Base-SX & 1310nm for 1000Base-LX	■ Diagnostic LED Link, Speed, and Duplex ■ Cooling Two fans mounted at the rear	■ Temperature Operating – 0° to 60° C ■ Temperature Storage – -20° to 70° C ■ Humidity Operating – 10% to 90% RH ■ Humidity Storage – 5% to 90% RH ■ Dimensions 440mm x 300mm x 132mm (L*W*H) ■ Net Weight 7.2Kg ■ Compliance FCC & CE
Temperature 0°C to 45°C (Operating)	/	/	/	/	/	Data Transfer Rate 1000Mbps	LED indicators Twisted pair port – Link & TX LEDs	
Temperature -20°C to 90°C (Storage)	/	/	/	/	/	LED indicators System – power	LED indicators Fiber port – Link & RX LEDs	
Humidity 10% to 90% (Non-condensing)	/	/	/	/	/	LED indicators Twisted pair port – Link & TX LEDs	Temperature 0°C to 45°C (Operating)	
Power consumption 3.4 Watts (max)	/	/	/	/	/	LED indicators Fiber port – Link & RX LEDs	Temperature -20°C to 90°C (Storage)	
Power Requirement 5V DC 1.6A	/	/	/	/	/	Temperature 0°C to 45°C (Operating)	Temperature -20°C to 90°C (Storage)	
Certifications FCC Class A, CE Mark	/	/	/	/	/	Temperature -20°C to 90°C (Storage)	Humidity 10% to 90% (Non-condensing)	
Dimensions 102 mm x 74 mm x 22 mm (L x W x H)	/	/	/	/	/	Humidity 10% to 90% (Non-condensing)	Power consumption 5.2 Watts (max)	
Weight 230g (No power adapter)	/	/	/	/	/	Power Requirement 5V DC 1.4A	Certifications FCC Class A, CE Mark	
						Dimensions 102mm x 74 mm x 22 mm (L x W x H)	Weight 240g (No power adapter)	
						Weight 240g (No power adapter)		

BELLCOMMS Wiring Diagrams Media Converter

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