



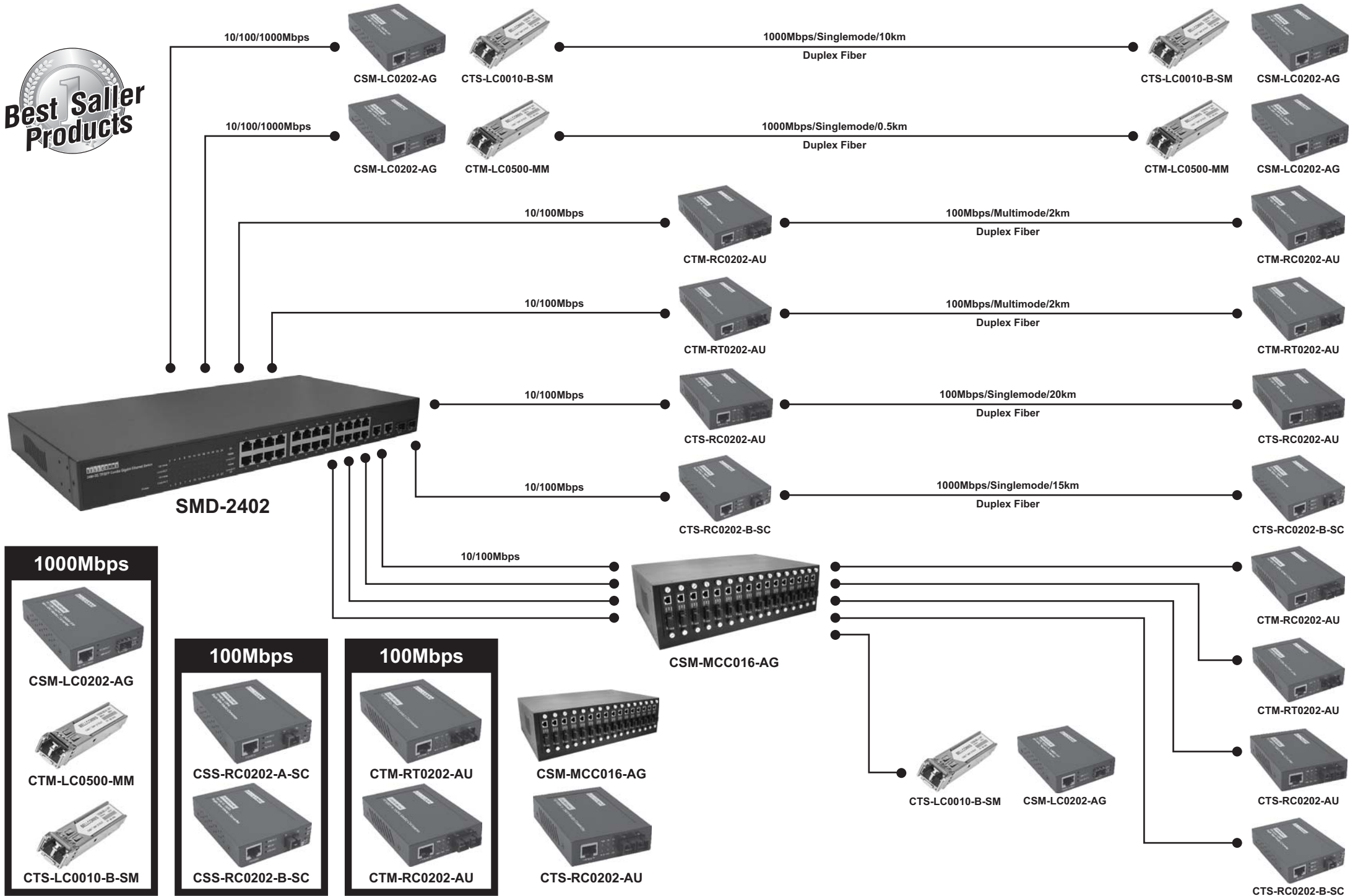
Media converter



Descriptions	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	1000Mbps	1000Mbps	1000Mbps
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 um MMF optic cable).	Features : Data Rate : 1.25Gbps, NRZ	Features : Data Rate : 1.25Gbps, NRZ
100Base-FX interface (Single-mode 9/125 um SMF optic cable)	-	-	20km Duplex FO	15km Simplex FO	15km Simplex FO	1000Base-SX interface for up to 550 meters. (Multi-mode 50/125 um MMF optic cable).	Features : Single +3.3V Power Supply	Features : Single +3.3V Power Supply
100Base-FX (Use 50/125 um or 62.5/125 um MMF optic cable)	2km Duplex FO	2km Duplex FO	-	-	-	1000Base-LX interface for up to 40 km. (Single-mode 9/125 um 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	/	/	/	/	/	Media support 1000Base-SX Multi-mode 50/125 um & 62.5/125 um MMF	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-LX Single-mode 9/125 um SMF	Features : Compliance with ANSI specifications for Fibre Channel applications at 1.08 Gbps	Features : Compliance with ANSI specifications for Fibre Channel applications at 1.08 Gbps
Media support 100Base-FX Multi-mode 50/125 um & 62.5/125 um MMF	/	/	/	/	/	Distances Support Twisted pair STP 100 meters / 328ft	Features : Eye Safety	Features : Eye Safety
Media support 100Base-FX Single-mode 9/125 um SMF	/	/	/	/	/	Distances Support 220m for 62.5/125 um MMF optic cable		
Data Transfer Rate 100Mbps/10Mbps	/	/	/	/	/	Distances Support 550m for 50/125 um MMF optic cable	CSM-MCC016-AG	SMD-2402
LED indicators System - power /	/	/	/	/	/	Distances Support 40km for 9/125 um SMF optic cable	Features	Features
LED indicators Twisted pair port-Link/Activity, Speed and FDXX/Col	/	/	/	/	/	Wavelength 850nm for 1000Base-SX & 1310nm for 1000Base-LX	▶ Plug & Play Operation	▶ Compliant with the IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T specifications
LED indicators Fiber port-Link/Activity & FDXX LEDs	/	/	/	/	/	Data Transfer Rate 1000Mbps	▶ Front panel LEDs indication	▶ 24 port 10/100Mbps TX Auto-Negotiation and 2 port 10/100/1000Mbps TX
Temperature 0°C to 45°C (Operating)	/	/	/	/	/	LED indicators System - power	▶ Standard 19" rack-mount size, 3U height	▶ Supports TP interface Auto MDIX function for auto TX/RX swap
Temperature -20°C to 90°C (Storage)	/	/	/	/	/	LED indicators Twisted pair port - Link & TX LEDs	▶ 16 slots front panel for slide-in AC/DC Power	▶ Support up to 4K MAC address
Humidity 10% to 90% (Non-condensing)	/	/	/	/	/	LED indicators Fiber port - Link & RX LEDs	▶ Hot swappable, Easy & quick replacement of converters and power supplies	▶ Supports Store & Forward architecture and performs forwarding and filtering
Power consumption 3.4 Watts (max)	/	/	/	/	/	Temperature 0°C to 45°C (Operating)	▶ 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 Requirement 5V DC 1.6A	/	/	/	/	/	Temperature -20°C to 90°C (Storage)	▶ Power isolation design with converters bays : ensure each bay is electrically isolated from each other	▶ Power isolation design with converters bays : ensure each bay is electrically isolated from each other
Certifications FCC Class A, CE Mark	/	/	/	/	/	Humidity 10% to 90% (Non-condensing)	▶ Switch base design support flow control capability Specification	▶ Capacity Sixteen bays for housing up to sixteen media converters
Dimensions 102 mm x 74 mm x 22 mm (L x W x H)	/	/	/	/	/	Power consumption 5.2 Watts (max)	▶ Material Metal Power	▶ Standard IEEE 802.3u 100Base-TX
Weight 230g (No power adapter)	/	/	/	/	/	Certifications FCC Class A, CE Mark	▶ One hot-swappable power supply, optional second power supply for load-sharing, hot-swappable	▶ Standard IEEE802.3ab 1000Base-T



BELLCOMMS Wiring Diagrams Media Converter



1000Mbps

- CSM-LC0202-AG
- CTM-LC0500-MM
- CTS-LC0010-B-SM

100Mbps

- CSS-RC0202-A-SC
- CSS-RC0202-B-SC

100Mbps

- CTM-RT0202-AU
- CTM-RC0202-AU

- CSM-MCC016-AG
- CTS-RC0202-AU

- CTS-LC0010-B-SM
- CSM-LC0202-AG