

MMC-1S1XMG-SIM 10Gigabit Managed Media Converter Datasheet

ISP Network and Enterprise Network Solution



Overview

The MMC-1S1XMG-SIM Gigabit Ethernet Media Converter bridges 1x 10GBase-X SFP+ to 1x 100M/1G/2.5G/5G/10G Base-T RJ45 port, enabling fiber extensions dependent on SFP modules. It is equipped with automatic MDI/MDI-X configuration and auto-negotiation with the option to set the fiber port to operate in either half-duplex or full-duplex mode. Additionally, it enables easy connectivity between two network segments and integrates into a 16-slot managed media converter chassis as a slide-in module. Supporting remote management through the Web Smart/Managed Media Converter Chassis System (MC-16DP) enables users to conveniently monitor and configure the converter from any location.

Benefits

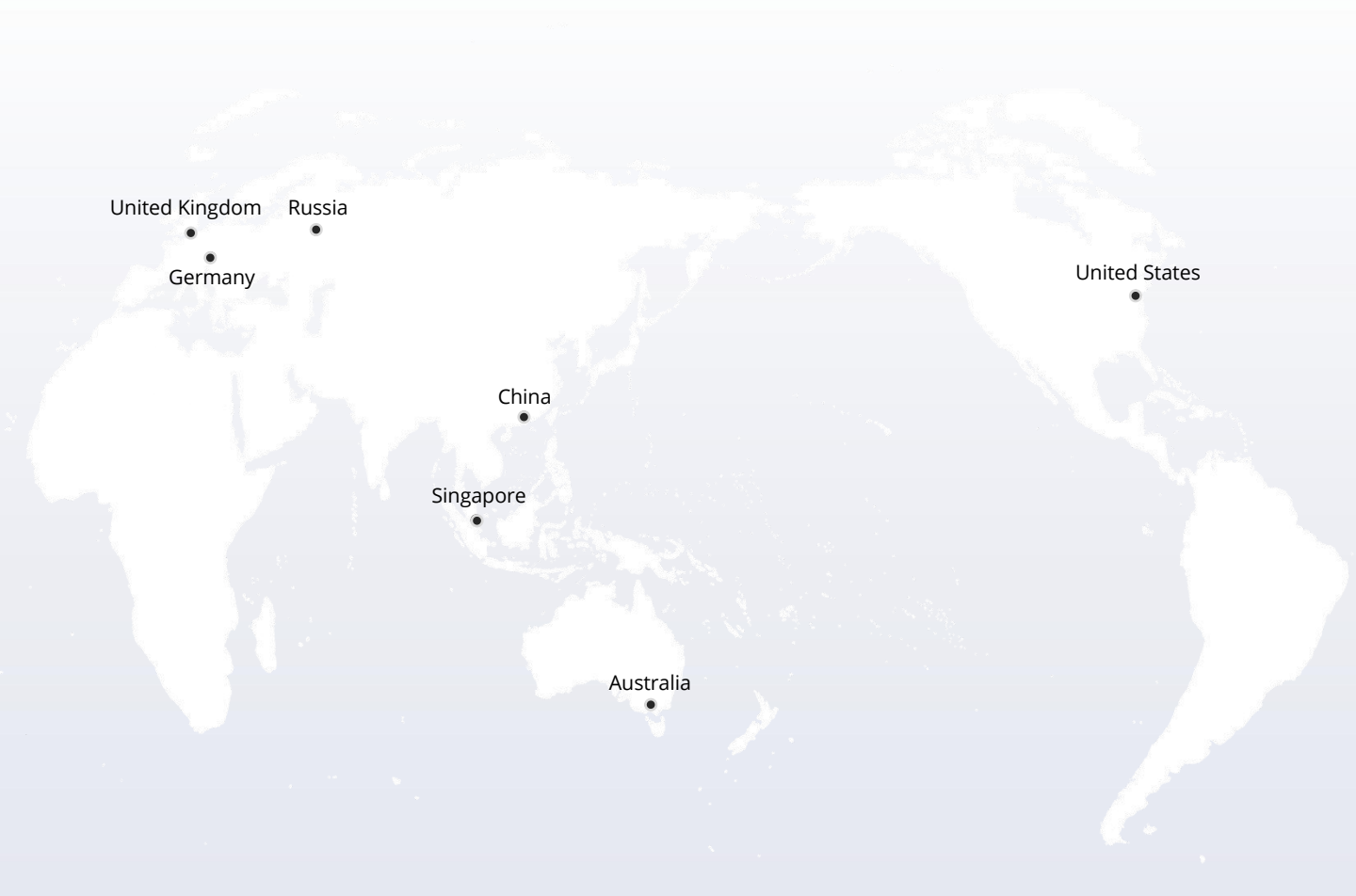
- 10G RJ45 Port with Auto-Negotiation and Auto-MDI/MDIX
- Managed via the Web Smart Converter Chassis MC-16DP
- Complies with IEEE 802.3 Ethernet Standard
- Prevents Packet Loss via Half/Full-duplex Flow Control
- Plug and Play, No Configuration Needed

Specification

	MMC-1S1XMG-SIM
Copper Interface	1x 100M/1G/2.5G/5G/10GBase-T RJ45
Fiber Optic Interface	1x 10GBase-X SFP+
ESD Protection	6KV DC
Cable Type (Fiber)	Multimode 50/125μm, 62.5/125μm Single-mode 9/125μm
Cable Type (Copper)	Cat 6a/7 Cable (Maximum 100m)
Power Consumption	3.8W
Dimensions (HxWxD)	3.69" x3.18" x1.04"(93.8x80.75x26.4mm)
Weight	182g (device only)
Operating Temperature	0° C to 50° C
Storage Temperature	-10° C to 70° C
Input Power	DC 5V, 2A
LED Indicator	PWR, 5G/2.5G/100M LNK
Standards and Protocols	IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3an 10GBASE-T IEEE 802.3ae 10Gbps Ethernet IEEE 802.3x full-duplex flow control (Copper Port)
Warranty	2 Years
Installation	Desktop or Wall-mount
Operation Mode	100Mbps for Half/Full Duplex 1/2.5/5/10Gbp for Full Duplex
Flow Control	Back Pressure for Half/Duplex IEEE 802.3x Pause Frame for Full Duplex
Jumbo Frame	16K
Fabric	20Gbps

Specification

	MMC-1S1XMG-SIM
Switch Processing Scheme	Store and Forward
Operating Humidity	5 ~ 95%, relative humidity (non-condensing)



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