



TYPE: Sepitam-MC11G-DSC20

One Port 100/1000Mbps Series



Product Introduction

Sepitam provides a thorough, and complete series of One Port Media conversion solutions for flexible network extensions.

The **Sepitam-MC11G-DSC20** media converter is able to convert 100/1000 Mbps network signals between Unshielded Twisted Pair (Cat 5 network cabling) .This device can be used between 1000Base-TX cable and 1000Base-FX fiber optic based networks. This develops extension of networks over a long range in single-mode via fiber-optic cabling, send the Ethernet signals up to 20km. This device utilizes two cores in order to transmit and receive the information on fiber optic cable.

This **Sepitam-MC11G-DSC20** supplies a 1000Base-TX cable and 1000Base-FX fiber cable or 100Base-T cable and 100Base-FL fiber cable and also 10Base-TX cable and 10Base-FX fiber cable for the data transmission auto-negotiating Ethernet connector that holds up full duplex and half duplex network connection and MDI/MDI-X Auto Crossover.

Smart designing and Plug and play design makes easy installation, easy LED monitoring, no on-site adjustment, electricity interfaces are in line with known standards, Products applicable to different harsh industrial environment.

Features :

- Stand-alone type
- Memory Cache size is more than 500KB, address table size is 4KB
- Hold up all IEEE802.3, IEEE802.3U, IEEE802.3X, IEEE 802.3z/AB, IEEE802.1d
- Supports 100Base-FX fiber media transition
- Auto negotiation function Supports full duplex flow control or half duplex backpressure flow control
- Both ends can utilize **different** speed (100/1000 Mbps)
- Supports automatic cross connection in UTP Ethernet port
- Good compatibility and high reliability optical connector



Fiber Features:

Type	wavelength (nm)	TX power dBm	Distance Km	Lose dBm/Km	Fiber Type
Sepitam-MC11G-DSC20	1310	-10~-6	0~20	0.5	Single-mode(9/125um)

Environmental Aspects:

Operating Temperature: 0 °C ~ +65 °C

Relative humidity: 0 ~ 90% (Non-condensing)

Power Voltage: AC85-260v/50Hz

MTBF: better than 10⁵ hours

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Technical Specification of Sepitam-MC11G-DSC20

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