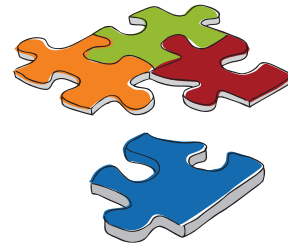


SFP / XFP Transceivers
(Hot-Swappable)

DEM series consists of SFP/XFP modules that can achieve long distance data transmission and high speed communication with single-mode and multi-mode fiber. These modules can be installed into switches and media converters.

The DEM series product line includes 100M/1G/10G and 1 core/2 core choices.



10-Gigabit Ethernet XFP

Model	Type	Standard	Connector	Wavelength	Cable Type	Transmission Distance
DEM-421XT	XFP (10GE)	IEEE 802.3ae 10GBASE-SR	LC	850nm	2-Core Multi-Mode Fiber 50/125µm, 62.5/125µm	300m
DEM-422XT	XFP (10GE)	IEEE 802.3ae 10GBASE-LR	LC	1310nm	2-Core Single-Mode Fiber 9/125µm	10km
DEM-423XT	XFP (10GE)	IEEE 802.3ae 10GBASE-ER	LC	1550nm	2-Core Single-Mode Fiber 9/125µm	40km

Gigabit Ethernet WDM Bi-Directional SFP

Model	Type	Standard	Connector	Wavelength	Cable Type	Transmission Distance
DEM-330T ^{*1}	WDM Bi-Directional 1-Core SFP (1GE)	IEEE 802.3z 1000BASE-BX	LC	TX: 1550nm; RX: 1310nm	1-Core Single-Mode 9/125µm	10Km
DEM-330R ^{*1}	WDM Bi-Directional 1-Core SFP (1GE)	IEEE 802.3z 1000BASE-BX	LC	TX: 1310nm; RX: 1550nm	1-Core Single-Mode 9/125µm	10Km
DEM-331T ^{*2}	WDM Bi-Directional 1-Core SFP (1GE)	IEEE 802.3z 1000BASE-BX	LC	TX: 1550nm; RX: 1310nm	1-Core Single-Mode 9/125µm	40Km
DEM-331R ^{*2}	WDM Bi-Directional 1-Core SFP (1GE)	IEEE 802.3z 1000BASE-BX	LC	TX: 1310nm; RX: 1550nm	1-Core Single-Mode 9/125µm	40Km

^{*1} DEM-330T & DEM-330R are used as a pair
^{*2} DEM-331T & DEM-331R are used as a pair

Gigabit Ethernet SFP

Model	Type	Standard	Connector	Wavelength	Cable Type	Transmission Distance
DEM-310GT	2-Core SFP (1GE)	IEEE 802.3z 1000BASE-LX	LC	1310nm	2-Core Single-Mode 9/125µm 2-Core Multi-Mode Fiber 50/125µm, 62.5/125µm	SMF: 10km (9/125µm) MMF: 2km (50/125µm) / 500m (62.5/125µm)
DEM-311GT	2-Core SFP (1GE)	IEEE 802.3z 1000BASE-SX	LC	850nm	2-Core Multi-Mode Fiber 50/125µm, 62.5/125µm	550m
DEM-312GT2	2-Core SFP (1GE)	IEEE 802.3z 1000BASE-SX	LC	1310nm 2-Core Multi-Mode Fiber	2-Core Multi-Mode Fiber 50/125µm, 62.5/125µm	1km (50/125µm) / 2km (62.5/125µm)
DEM-314GT	2-Core SFP (1GE)	IEEE 802.3z 1000BASE-LHX	LC	1550nm	2-Core Single-Mode 9/125µm	50Km
DEM-315GT	2-Core SFP (1GE)	IEEE 802.3z 1000BASE-ZX	LC	1550nm	2-Core Single-Mode 9/125µm	80Km
DGS-712	Cat. 5 Twisted Pair	IEEE 802.3ab 1000BASE-T	RJ-45	-	-	100m

Fast Ethernet SFP

Model	Type	Standard	Connector	Wavelength	Cable Type	Transmission Distance
DEM-210	2-Core SFP (100M)	IEEE 802.3u 100BASE-FX	LC	1310nm	2-Core Single-Mode 9/125µm	15km
DEM-211	2-Core SFP (100M)	IEEE 802.3u 100BASE-FX	LC	1310nm	2-Core Multi-Mode Fiber 50/125µm, 62.5/125µm	2km

Fast Ethernet WDM Bi-Directional SFP

Model	Type	Standard	Connector	Wavelength	Cable Type	Transmission Distance
DEM-220T ^{*1}	1-Core SFP (100M)	IEEE 802.3ah 100BASE-BX	LC	TX: 1550nm; RX: 1310nm	1-Core Single-Mode 9/125µm	20km
DEM-220R ^{*1}	1-Core SFP (100M)	IEEE 802.3ah 100BASE-BX	LC	TX: 1310nm; RX: 1550nm	1-Core Single-Mode 9/125µm	20km

^{*1} DEM-220T & DEM-220R are used as a pair

Media Converters

DMC series consists of media converters that convert UTP cable to fiber optic cable in designated FTTH or optional fiber network. It is able to easily receive transmission over long distance with minimal noise influence.

Multiple media converters may be loaded using 19" rackmount chassis. The management module, DMC-1002, uses the web browser and console connection for management, which may be purchased separately. The media converters come in choices of 100Mbps or Gigabit.

Fast Ethernet Media Converters

Model	Interface	Cable	Specifications
DMC-300M	10/100BASE-TX ↔ 100BASE-FX	2 Core 100FX MMF	• 2 km • Auto MDI/MDI-X • MT-RJ Connector
DMC-300SC	10/100BASE-TX ↔ 100BASE-FX	2 Core 100FX MMF	• 2 km • Auto MDI/MDI-X • SC Connector
DMC-515SC	10/100BASE-TX ↔ 100BASE-FX	2 Core 100FX SMF	• 15 km • Auto MDI/MDI-X • SC Connector
DMC-530SC	10/100BASE-TX ↔ 100BASE-FX	2 Core 100FX SMF	• 30 km • Auto MDI/MDI-X • SC Connector
DMC-560SC	10/100BASE-TX ↔ 100BASE-FX	2 Core 100FX SMF	• 60 km • Auto MDI/MDI-X • SC Connector
DMC-615SC	100BASE-FX ↔ 100BASE-FX	2 Core 100FX MMF 2 Core 100FX SMF	• 15 km • SC Connector
DMC-1530SC	10/100BASE-TX ↔ 100BASE-FX	2 Core 100FX SMF	• 30 km • Auto MDI/MDI-X • SC Connector • Link Pass Through
DMC-1580SC	10/100BASE-TX ↔ 100BASE-FX	2 Core 100FX SMF	• 80 km • Auto MDI/MDI-X • SC Connector • Link Pass Through
DMC-920 (DMC-920T / DMC-920R)	10/100BASE-TX ↔ 100BASE-FX	1 Core 100FX SMF WDM Bi-Directional	• 20 km • Auto MDI/MDI-X • SC Connector • Link Pass Through

Gigabit Ethernet Media Converters

Model	Interface	Cable	Specifications
DMC-700SC	1000BASE-T ↔ 1000BASE-SX	2 Core 1000 MMF	• 550 m • Auto MDI/MDI-X • SC Connector • Link Pass Through
DMC-810SC	1000BASE-T ↔ 1000BASE-LX	2 Core 1000 SMF	• 10 km • Auto MDI/MDI-X • SC Connector • Link Pass Through
DMC-1910 (DMC-1910T / DMC-1910R)	1000BASE-T ↔ 1000BASE-LX	1 Core 1000 SMF WDM Bi-Directional	• 10 km • Auto MDI/MDI-X • Link Pass Through
DMC-805G	1000BASE-T ↔ 1000BASE-X (SFP)	SFP Slot	• Auto MDI/MDI-X • Link Pass Through

Media Converter Chassis & Accessories

Model	Description
DMC-1000	16-Slot DMC Series Media Converters Chassis with Internal Power Supply
DMC-1001	Redundancy Power Supply for DMC-1000
DMC-1002	SNMP Management Module for DMC-1000