

OGEC-120Dx

Rugged Industrial Media Converter, Dual 10/100/1000Base-TX to 100/1000Base-SX/LX



- Low power consumption
- Auto-negotiation supported
- Auto-MDI/MDIX on copper port
- Plug and play
- Hot Swappable
- Layer 2 line switching fabric
- -40 °C ~ 75°C operating temperature

Description

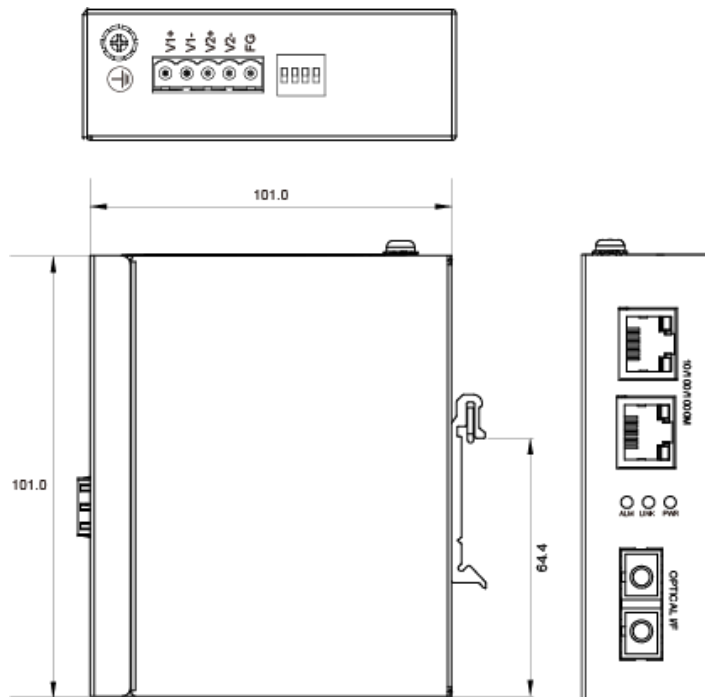
The OGEC-120D series are dual 10/100/1000Base-T to 100/1000Base-SX/LX non-managed media converters that enables you to extend your network to longer distances. With full gigabit ports and compact design, OGEC-120Dx series not only increases the speed of your network server, but also make Gigabit to the Din-rail /wall mount a reality. Generally, OGEC-120Dx series is a high-performance solution for your network.

Specifications

Standard		IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX/100Base-FX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x traffic and back pressure			
LAN		10/100/1000Base-T(X)			
Jumbo Frame Size		10Kbytes			
Transmission Distance	Ethernet	100m			
	Fiber	Multi-mode	1km *(1x9 Fiber SC Module type)		
		Single mode	20/40/60/80km *(1x9 Fiber SC Module type)		
Transmission Speed	Ethernet	10/100/1000Mbps			
	Fiber	100/1000Mbps			
Multi-mode *(1x9 SC type)	Wavelength: 1310nm Tx Power: -11~-3 dBm Rx Sensitivity: ≤-22dBm Parameters: 50/125μm, 62.5/125μm				
Single mode *(1x9 SC type)		20km	40km	60km	80km
	Wavelength	1310nm	1310nm	1550nm	1550nm
	Tx Power	-10~-3dBm	-2~+3dBm	-5~0dBm	-5~0dBm
	Rx Sensitivity	≤-22dBm	≤-24dBm	≤-24dBm	≤-26dBm
	Parameters	9/125μm	9/125μm	9/125μm	9/125μm
Auto MDI/MDIX		Yes (automatic detection of straight or crossover twisted pair cables)			
Connectors		2 x RJ-45 socket 1 x SC (single mode)/SC(Multi-mode)			

LED Indicators	Power: PWR Fiber: LINK ALM Ethernet: RJ-45's indicator
DIP Switch	Fiber Speed 100/1000M Adjustment Jumbo Frame Optical Auto-Negotiation Alarm Disable
Power Input	Unit accepts 9 to 48VDC (External power supply)
Power Consumption	3.5W
Dimensions (W x D x H)	101 x 101 x 32 mm
Weight	380g
Enclosure	Metal shell
Installation	Din-rail / wall-mounted
Power Reverse	Support
Overload Current	Support
Operating temperature	-40 °C ~ 75°C
Storage temperature	-40 °C ~ 85°C
Operating humidity	5 ~ 95% (non-condensing)
Storage humidity	0 ~ 95% (non-condensing)
MTBF	>50000 Hours
Safety	EN60950-1, IEC60950-1
Certification Compliance	CE, FCC
EMC	EN61000-4-5
RoHS	Yes

Dimension Diagram (Unit: mm)



Ordering Information

Model Name	Description
OGEC-120Dx-SM-SC20	Dual 10/100/1000Base-TX to 100/1000Base-LX, Single Mode, 1310nm, SC type, 20km.
OGEC-120Dx-SM-SC40	Dual 10/100/1000Base-TX to 100/1000Base-LX, Single Mode, 1310nm, SC type, 40km.
OGEC-120Dx-SM-SC60	Dual 10/100/1000Base-TX to 100/1000Base-LX, Single Mode, 1550nm, SC type, 60km.
OGEC-120Dx-SM-SC80	Dual 10/100/1000Base-TX to 100/1000Base-LX, Single Mode, 1550nm, SC type, 80km.
OGEC-120Dx-MM-SC	Dual 10/100/1000Base-TX to 100/1000Base-SX, Multi- Mode, 1310nm, SC type, 1km

Package Content

- OGEC-120Dx Media Converter
- Din Rail Kit
- Quick Instruction Manual

Accessories (sold separately)

■ Fiber Patch Cord

Model Name	Description
SC-M/SC-M OPTICAL FIBER 3M SM 0dB	3M Single Mode Simplex SC/SC Connector
SC-M/SC-M OPTICAL FIBER 3M MM 0dB	3M Multi-mode Simplex SC/SC Connector
LC-M/LC-M OPTICAL FIBER 3M SM 0dB Duplex	3M Single Mode Duplex LC/LC Connector
LC-M/LC-M OPTICAL FIBER 3M MM 0dB Duplex	3M Multi-mode Duplex LC/LC Connector
LC-M/SC-M OPTICAL FIBER 3M SM 0dB Duplex	3M Single Mode Duplex LC/SC Connector
LC-M/SC-M OPTICAL FIBER 3M MM 0dB Duplex	3M Multi-mode Duplex LC/SC Connector

*Note: There are many types/lengths of fiber patch cords, if there are any specifications not listed, please contact us.

■ Din Rail/Wall Mount Kit

Model Name	Description
WMK-001	Wall Mount Kit for compact OGEC-D series model

For other related product information, please visit the official website: www.hoatech.com.tw

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