

## VGC-300



### Features:

- Full wire speed performance
- Auto-negotiation with link partners
- Link pass through function
- Transparent conversion of any packet types with no packet length limitation
- Far end fault function on FX port
- SFP connection flexibility
- Desktop, wall, DIN-rail mounting, and center chassis installation
- Low power consumption
- Bi-Di and CWDM options

### Description:

1000Base-T to 1000Base-X Media Converter. It is used to extend the connection distance between two Gigabit Ethernet devices via fiber cable transparently with no performance degradation. The media converter is also featured with design to support center chassis installation. With the SFP (Mini-GBIC) connector design, the media converter not only supports existing variety of multimode and single mode fibers, but also preserves the flexibility to adapt to any change of your fiber network in the future.

### Specification:

STANDARDS	
IEEE	802.3ab (1000Base-T), 802.3z (1000Base-SX/LX)
Approval	FCC class B, CE mark, CISPR 22 class B

TRANSMISSION	
TP Port	Shielded RJ-45 jack, 1000Mbps, auto MDI/MDI-X detection, auto negotiation
FX Port	SFP connector with pre-configured SFP fiber transceiver, Far end fault function
Cable	Cat 5e. UTP cable or higher MMF – 62.5/125 $\mu$ m, 50/125 $\mu$ m SMF – 9/125 $\mu$ m
LED Indication	Power status, SFP On status, Link status, Optical link status

PHYSICAL	
Operating Temperature	-5°C ~ 50°C
Storage Temperature	-20°C ~ 80°C
Operating Humidity	10% ~ 95% non-condensing
Operating Voltage	5 ~ 12 VDC
Power Consumption	Max. 2 Watts @ 7.5V
Dimension	L108 x W72.5 x H23 (mm)

### Ordering Information:

## VGC-300 - X

X	Connector	Mode	Distance	Wavelength	Tx Power	Sensitivity	Rx Max.
SX	LC	MM50/125	500m	850 nm	-9.5 ~ -4 dBm	-18 dBm	-1 dBm
		MM62.5/125	200m				
LX	LC	MM	550m	1310 nm	-9.5 ~ -3 dBm	-20 dBm	-3 dBm
		SM	10 km				
LX20	LC	SM	20 km	1310 nm	-7 ~ 0 dBm	-24 dBm	-3 dBm
LX30	LC	SM	30 km	1310 nm	-4 ~ +3 dBm	-23 dBm	-3 dBm
LX50	LC	SM	50 km	1550 nm	-4 ~ +1 dBm	-23 dBm	-3 dBm
LX70	LC	SM	70 km	1550 nm	0 ~ +5 dBm	-23 dBm	-3 dBm
W3510	Bi-Di LC	SM	10 km	TX 1310 nm RX 1550 nm	-9 ~ -3 dBm	-21 dBm	-3 dBm
W5310	Bi-Di LC	SM	10 km	TX 1550 nm RX 1310 nm	-9 ~ -3 dBm	-21 dBm	-3 dBm
W3520	Bi-Di LC	SM	20 km	TX 1310 nm RX 1550 nm	-8 ~ -3 dBm	-23 dBm	-3 dBm
W5320	Bi-Di LC	SM	20 km	TX 1550 nm RX 1310 nm	-8 ~ -3 dBm	-23 dBm	-3 dBm
W3410	Bi-Di LC	SM	10 km	TX 1310 nm RX 1490 nm	-9 ~ -3 dBm	-20 dBm	-3 dBm
W4310	Bi-Di LC	SM	10 km	TX 1490 nm RX 1310 nm	-9 ~ -3 dBm	-20 dBm	-3 dBm
W3410S	Bi-Di LC	SM	10 km	TX 1310 nm RX 1490 nm	-9 ~ -3 dBm	-20 dBm	-3 dBm
W4310S	Bi-Di LC	SM	10 km	TX 1490 nm RX 1310 nm	-9 ~ -3 dBm	-20 dBm	-3 dBm