

VGC-310M



Features:

- Full wire speed performance
- Auto-negotiation with link partners
- Link pass through function
- Far end fault function
- Transparent conversion of any packet types with no packet length limitation
- SFP connection flexibility
- Desktop, wall, DIN-rail mounting, and center chassis installation
- Low power consumption
- Bi-Di and CWDM options
- Loop back test function
- Indication of remote media converter's TP copper port status
- Web-based management

Description:

10/100/1000Base-T to 1000Base-X Media Converter, with web-based management function. It is used to extend the connection distance between two 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	802.3 (10Base-T), 802.3u (100Base-T), 802.3ab (1000Base-T), 802.3z (1000Base-SX/LX)
Approval	FCC class A, CE mark, CISPR 22 class A

TRANSMISSION	
TP Port	Shielded RJ-45 jack, 10/100/1000Mbps full/half duplex, 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 μ m, 50/125 μ m SMF – 9/125 μ m
LED Indication	Power status TP Port: Link/Act, Speed, Duplex FX Port: Link/Act status, Fiber signal detected Remote TP Port: Link, Speed, Duplex status, Loop back status
DIP Switch	TP mode, TP duplex, TP speed, Link fault pass through, auto status report
Loop Back Test	Push button to start loop back test

MANAGEMENT	
Management	Web-based browser interface
Port Control	Operating mode, flow control
Packet Filtering	802.1Q tagged packet filtering, Untagged packet filtering
802.1Q VLAN	Ingress 802.1Q tag stripping, Egress 802.1Q tagging (tag insertion)
QoS	Four priority levels 802.1p, DSCP-based priority classifications Service policy – strict priority, WFQ (Weighted Fairness Queuing)
Monitoring	Local Port status, Remote Port status, Port statistics
Maintenance	Restore factory default, reboot, firmware update
SNMP Trap	Trap events: boot up, login failure, copper port link change, fiber port link change

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. 3.5 Watts @ 7.5V
Dimension	L108 x W72.5 x H23 (mm)

Ordering Information:

VGC-310M - X

X	Connector	Mode	Distance	Wavelength	Tx Power	Sensitivity	Rx Max.
SX	LC	MM50/125 MM62.5/125	500m 200m	850 nm	-9.5 ~ -4 dBm	-18 dBm	-1 dBm
LX	LC	MM SM	550m 10 km	1310 nm	-9.5 ~ -3 dBm	-20 dBm	-3 dBm
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