

VGC-310



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

Description:

10/100/1000Base-T to 1000Base-X Media Converter, with simple 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 |

| 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-310 - 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 |