

VCD-400



Features:

- Full wire speed performance
- Auto-negotiation with link partners
- Link fault through function
- Transparent conversion of any packet types with no packet length limitation
- Far end fault function on FX port
- SFP connection flexibility
- DIN-rail mounting
- Screw terminal block and DC jack power interface options
- Wide input voltage range
- Wide operating temperature range
- Industrial-rated Emission and Immunity performance

Description:

Industrial 1000Base-TX 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 provides industrial strength and durability. 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 | 802.3au (1000Base-T), 802.3z(100Base-SX/LX) |
| Approval | FCC class B, CE/EMC class B, EN60950 safety |

| 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 5. UTP cable MMF – 62.5/125 μ m, 50/125 μ m SMF – 9/125 μ m |
| LED Indication | Power status, SFP On status, Link status, Optical link status |



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| PHYSICAL | |
|-----------------------|-------------------------|
| Operating Temperature | -10°C ~ 70°C |
| Storage Temperature | -20°C ~ 85°C |
| Operating Humidity | 5% ~ 95% non-condensing |
| Operating Voltage | 7 ~ 30 VDC |
| Power Consumption | Max. 2 Watts @ 30 VDC |
| Dimension | L95 x W82x H28 (mm) |

| EMI EMS SAFETY ENVIRONMENTAL QUALIFICATIONS | | |
|---------------------------------------------|-------------------|--------------------------------------|
| TEST | STANDARD | SPECIFICATIONS |
| FCC/EMI | FCC Rule Part 15 | Class B |
| CE/EMC/EMI | EN55022, CISPR 22 | Class B |
| CE/EMC/Harmonic | EN 6100-3-2 | < 75 W |
| CE/EMC/VFF | EN 6100-3-3 | Clause 5 |
| CD/EMC/EMS | EN55024 | |
| ESD Test | EN 6100-4-2 | Contact: ±8 kV; Air: ±16 kV |
| RS Test | EN 6100-4-3 | Strength: 10 V/m |
| EFT/BURST | EN 6100-4-4 | ±4 kV |
| Surge Immunity | EN 6100-4-5 | ±4 kV |
| CS Test | EN 6100-4-6 | Level 3 |
| Magnetic Field Imm. | EN 6100-4-8 | 50 Hz 40A/m |
| Voltage Dips Imm. | EN 6100-4-11 | Interruption: C ; Dips: A |
| Safety | EN60950, IEC60950 | |
| Dielectric Voltage | IEEE 802.3 | TP, 1500 VAC /60 sec |
| Insulation Resistance | IEEE 802.3 | TP, 500 VDC /10 MOhm |
| Cold Test | IEC68-2-1 Test Ad | -20°C, 96 hrs |
| Dry Heat Test | IEC68-2-2 Test Ad | +70°C, 40% RH, 96 hrs |
| Damp Heat Test | IEC68-2-3 | +60°C, 90% RH, 96 hrs |
| Storage Test | IEC68-2-48 | -20°C, 96 hrs; +85°C, 40% RH, 96 hrs |
| Vibration Test | IEC68-2-34 | |



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Ordering Information:

VCD-400 - 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 |