

CTG-SC0230
Mini-Fiber Media Converter Ethernet
1-port 1000Mbps Fiber SC Singlemode
1-port 10/100/1000Mbps RJ45



Overview

MINI series is Mini Gigabit Media Converters, which extends the 10M, 100M, and 1000Mbps twisted-pair network segments up to 20km over fiber technology. It is widely used in ISP network solutions of FTTH, FTTC, and FTTBs, CCTV networks, or for small office network environments of enterprises.

Feature and Descriptions

- Copper port support 10/100/1000M, Auto-Cross for MDI/MDIX
- 1000Base-X SC fiber port up to 20km/SM, 0.55km/MM transmission
- Full duplex and Half duplex back pressure auto-negotiation
- Support 16K Jumbo Frame
- Simple LED indicators for monitoring working status
- 5~12Vdc power input and power consumption less than 2W
- Compact size 65x45x22mm
- IP30 plastic enclosure
- Plug-and-play operation
- Cost-effective and weight-less design
- CE/FCC/RoHS compliance

Specifications

Performance

| | |
|------------------------|--|
| Standard | IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x |
| Data forwarding | Forward mode |
| Switch Capacity | 4Gbps |
| Packet forwarding Rate | 2.9Mpps |
| Flow Control | support |
| Jumbo Frame | 16k |

Descriptions

| | |
|------------------------|--|
| Standard | IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x |
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Interface

| | |
|----------------|--|
| Copper Port | 10/100/1000M Auto-negotiation, RJ45 Auto-Cross for MDI/MDIX Cat5/Cat5e/Cat6, ≤100m |
| Fiber Port | 1000M SC connector |
| LED indicators | 0S1/0S2 ≤20km; 0M1/0M2 ≤550m |
| Power Port | PWR, Fiber Link/act, Copper Link/act DC socket, φ2.5mm |

Electrical characteristics

| | |
|-------------------|--------------------|
| Input Power | 5~12Vdc, Max.0.35A |
| Power Consumption | <2W |

Physical characteristics

| | |
|------------|------------|
| Dimension | 65x45x22mm |
| Protection | IP30 |

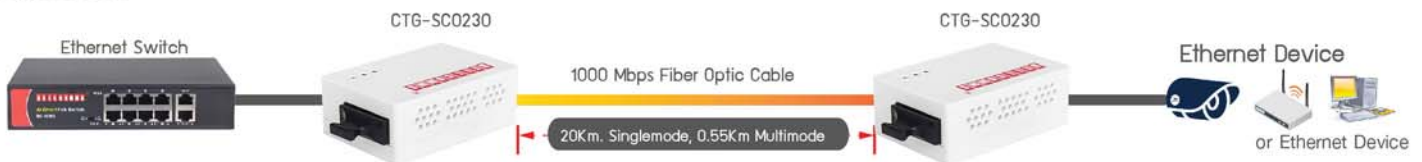
Environment

| | |
|---------------------|---------------------------|
| Working Temperature | -20~60uC |
| Storage Temperature | -40~85uC |
| Relative Humidity | 5%~95% (no condensation) |

Power Adaptor

| | |
|---------------|--------------------|
| Input Voltage | 100~240Vac 50/60Hz |
| Output | 5Vdc 1A |

Application



Order Part Number as Below.

| Part Number. | DESCRIPTIONS |
|--------------|---|
| CTG-SC0230 | Mini-Fiber Media Converter Ethernet 1-port 1000Mbps SC Singlemode 1-port 10/100/1000Mbps RJ45 |