



BC101GT

Unmanaged Industrial
Ethernet Media Converter

Ordering information

Model	Descriptions
BC101GT	1-port 10/100/1000Base-T(X)+1-port 1000Base-FX, SFP, DC12-48V



Product Descriptions

Introduction:

BC101G is a kind of industrial gigabit media converter, it support 1 10Base-T/100Base-TX/1000 Base-TX port and 1 1000Base-X SFP port. It support LFP function, it is easy to check the network connection status,, it also support CE,FCC standard, IMC101GT adopt industry standard design, IP40 protection, rugged high-strength metal case, power supply input (12V~48VDC), -40 to 85°C working temperature.

Features:

1. Support 1 10Base-T/100Base-TX/1000 Base-TX port and 1 1000Base-X SFP port
2. Support IEEE802.3/802.3u/802.3x/802.3z store and forward
3. Ethernet port support 10/100/1000M self-adaption
4. Support LFP (Link Fault Pass-Through)
5. DC12~48V power input
6. IP40 protect grade, high strength iron shell, DIN Rail installation

Exchange of attribute

100M forward speed: 148810pps
1000M forward speed: 1488100pps
Transmission: Store and forward
Memory: 1Mbits
MAC address: 1K

Indicator

System: RUN
Ethernet port: G1 LINK
Fiber port: G2 LINK
Remote Ethernet port alarm: G1 LFP
Remote Fiber port alarm: G2 LFP

Power supply

Power input: 24VDC (12~48VDC)
Terminal block: 3 bits 7.62mm terminal block
No-load power consumption: 1.392W@24VDC
Full-load power consumption: 1.656W@24VDC
Support reverse connection protection

Mechanical

Shell: IP40, high strength iron shell.
Installation: DIN Rail
Weight: 346.6g
Dimension (WxHxD): 110mmx35mmx95mm

Environmental

Operating Temperature: -40 to 85°C
Storage Temperature: -45°C to 85°C
Ambient Relative Humidity: 10 to 95% (non-condensing)

Standard

EMI: FCC Part 15, CISPR (EN55022) class A
EMS: EN61000-4-2 (ESD), Level 1
EN61000-4-4 (EFT), Level 4
EN61000-4-5 (Surge), Level 3
Shell: IEC 60068-2-27

Certification

CE, FCC, RoHS, PAL, UL508(pending)

Product Standard

Specification:

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z
Flow control: IEEE802.3x, back pressure control

Interface

Gigabit Ethernet port: 10Base-T/100Base-TX/1000Base-TX
Self-adaption
Gigabit fiber port: 1000Base-X SFP

Transmission

Twisted pair: 100M (Standard CAT5/CAT5e cable)
Multi mode fiber: 1310nm, 2Km
Single mode fiber: 1310nm, 20/40/60Km 1550nm,20/40/60/80/100/120Km