



BSD-IGC-301GM

MAIN FEATURES



1*1000Base-X, 2*10/100/1000Base-T
Unmanaged Industrial Switches

Input Voltage: DC12~58V

Operating Temperature: -40°C ~ +85°C

Shell: IP40 protection, fanless design

Test Report: CCC, RoHS, FCC, CE

Anti-static: 8KV-15KV

MTBF: 100000 Hours

PRODUCT DESCRIPTION

This device 1*1000Base-X, 2*10/100/1000Base-T Industrial Ethernet Switches. Through the fanless heat dissipation circuit design, wide range of working environment temperature, high protection level and other technologies, it provides excellent industrial quality with high/low temperature resistance and lightning protection, and enhances the reliability and safety of industrial networks. The device can be widely applied to various broadband data transmission fields such as intelligent transportation, telecommunications, security, financial securities, customs, shipping, power, water conservancy and oil fields.

PRODUCT PARAMETERS

Provider Mode Ports	
Fixed port	1*1000Base-X, 2*10/100/1000Base-T
Power interface	Phoenix terminal, dual power supply
LED Indicators	PWR, Main board fiber port indicator, NMC, Expansion board fiber port indicator
DIP Switch Instructions	
1 LFP	LFP/ Remote PD Reset
2 LGY	LEGACY (Standard & Non-standard PoE)
3 VLAN	Port Isolation
4 RST	Reset
Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100KM
Multimode optical fiber	550m
Network Topology	
Ring topology	Unsupported
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support
Electrical Specifications	
Input voltage	DC12~58V
Total Power consumption	<5W
Layer 2 Switching	
Switching capacity	14G
Packet forwarding rate	10.416Mpps
MAC address table	8K
Buffer	1M
Forwarding delay	<5us
MDX/MIDX	Support
Flow control	Support
Jumbo frame	10K bytes
Storm Control	Support
LFP or Remote PD Reset	Support
Port Isolation	Support
Reset	Support



Environment	
Operating temperature	-40°C ~ +85°C
Storage temperature	-40°C ~ +85°C
Relative humidity	5%~90% (non-condensing)
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product size	31*91*118mm (W×H×D)
Installation Method	DIN-rail
Weight	0.4KG around
EMC & Ingress Protection	
IP Level	IP40
Surge protection of Power	IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
Surge protection of Ethernet port	IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Authentication	
Authentication	CCC/CE/FCC/RoHS
Accessories	
Accessories	Device, Terminals, Specification, Certificate Adapter(optional)

SIZE AND APPEARANCE

