

MAIN FEATURES	
P/N	SIS87-20GX8GC-HR-V
Fixed port	20*1000 Base-X, 8*1000 Base-X Combo
Management	Yes
PoE Support	No
Input Voltage	DC12-58V/AC 100-240V 50-60HZ
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Thermal methods	Fanless design, natural cooling
MTBF	100,000 hours
Certificates	CCC/CE/FCC/RoHS

SPECIFICATION

Fixed port20*1000 Base-X, 8*1000 Base-X ComboManagement PortSupport consolePower interfacePhoenk terminal, dual power supply redundancyLED IndicatorsPWR, Link/ACT LEDCable Type & Transmission Distance	Provider Mode Ports	
Power interface Phoenix terminal, dual power supply redundancy LED Indicators PWR, Link/ACT LED Cable Type & Transmission Distance Twisted-pair O-100m (CATSe, CAT6) Monomode optical fiber Monomode optical fiber 20/40/60/80/100KM Multimode optical fiber 550m Network Topology Support Ring topology Support Star topology Support Bus topology Support Hybrid topology Support Hybrid topology Support Electrical Specifications Input voltage DC12-58V/AC 100-240V 50-60HZ Total Power consumption POE Support Support POE port None POE port None POE port None POE Frotocol None PoE Adde None	Fixed port	20*1000 Base-X, 8*1000 Base-X Combo
LED Indicators PWR, Link/ACT LED Cable Type & Transmission Distance Twisted-pair 0-100m (CATSe, CAT6) Monomode optical fiber 20/40/60/80/100KM Multimode optical fiber 550m Network Topology Support Bing topology Support Star topology Support Bus topology Support Bus topology Support Electrical Specifications Electrical Specifications Input voltage DC12-58V/AC 100-240V 50-60HZ Total Power consumption <36W	Management Port	Support console
Cable Type & Transmission Distance Twisted-pair 0-100m (CAT5e, CAT6) Monomode optical fiber 20/40/60/80/100KM Multimode optical fiber 550m Network Topology Support Ring topology Support Star topology Support Bus topology Support Tree Topology Support Hybrid topology Support Electrical Specifications Electrical Specifications Input voltage DC12-58V/AC 100-240V 50-60HZ Total Power consumption <36W	Power interface	Phoenix terminal, dual power supply redundancy
Twisted-pair0-100m (CATSe, CAT6)Monomode optical fiber20/40/60/80/100KMMultimode optical fiber550mNetwork TopologySupportRing topologySupportStar topologySupportStar topologySupportTree TopologySupportHybrid topologySupportElectrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	LED Indicators	PWR, Link/ACT LED
Monomode optical fiber20/40/60/80/100KMMultimode optical fiber550mNetwork TopologySupportRing topologySupportBus topologySupportBus topologySupportBus topologySupportBus topologySupportBus topologySupportBus topologySupportBus topologySupportHybrid topologySupportElectrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Cable Type & Transmission Distance	
Multimode optical fiber 550m Network Topology Support Ring topology Support Star topology Support Star topology Support Tree Topology Support Hybrid topology Support Hybrid topology Support Electrical Specifications Input voltage DC12-58V/AC 100-240V 50-60HZ Total Power consumption <36W	Twisted-pair	0-100m (CAT5e, CAT6)
Network Topology Ring topology Support Star topology Support Bus topology Support Bus topology Support Bus topology Support Hybrid topology Support Electrical Specifications Input voltage DC12-58V/AC 100-240V 50-60HZ Total Power consumption PoE Support POE Support PoE Support POE Support PoE Support None PoE Fortocol None PoE Mode None PoE Mode None PoE Support Support 4K Switching capacity 160G Packet forwarding rate 95.23Mpps MAC address table 16K VLAN Support 4K Buffer 12M Forwarding delay <10 µs	Monomode optical fiber	20/40/60/80/100KM
Ring topologySupportStar topologySupportBus topologySupportTree TopologySupportHybrid topologySupportElectrical SpecificationsElectrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Multimode optical fiber	550m
Star topologySupportBus topologySupportTree TopologySupportHybrid topologySupportElectrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Network Topology	
Bus topologySupportTree TopologySupportHybrid topologySupportElectrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Ring topology	Support
Tree TopologySupportHybrid topologySupportElectrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Star topology	Support
Hybrid topologySupportElectrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Bus topology	Support
Electrical SpecificationsInput voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Tree Topology	Support
Input voltageDC12-58V/AC 100-240V 50-60HZTotal Power consumption<36W	Hybrid topology	Support
Total Power consumption<36WPoE SupportPoE portNonePoE ProtocolNonePin AssignmentNonePoE ModeNoneLayer 2 Switching160GBacket forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 µsMDX/MIDXSupportFlow controlSupportJumbo FrameSupport SUpport STP/RSTP/MSTPRing ProtocolSupport ERPS	Electrical Specifications	
PoE SupportPoE portNonePoE protocolNonePoE notocolNonePin AssignmentNonePoE ModeNonePoE modeSupport 4KBuffer12MForwarding delay<10 µsMDX/MIDXSupportPow controlSupportJumbo FrameSupport 10KbytesSpanning TreeSupport STP/RSTP/MSTPRing ProtocolSupport ERPS	Input voltage	DC12-58V/AC 100-240V 50-60HZ
PoE portNonePoE protocolNonePin AssignmentNonePoE ModeNoneLayer 2 Switching160GSwitching capacity160GPacket forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 µs	Total Power consumption	<36W
PoE ProtocolNonePin AssignmentNonePoE ModeNoneLayer 2 Switching160GPacket forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 μs	PoE Support	
Pin AssignmentNonePoE ModeNoneLayer 2 SwitchingNoneLayer 2 Switching capacity160GPacket forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 µsMDX/MIDXSupportFlow controlSupportJumbo FrameSupport 10KbytesSpanning TreeSupport ERPS	PoE port	None
PoE ModeNoneLayer 2 SwitchingI60GSwitching capacity160GPacket forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 μs	PoE Protocol	None
Layer 2 SwitchingSwitching capacity160GPacket forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 μs	Pin Assignment	None
Switching capacity160GPacket forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 µs	PoE Mode	None
Packet forwarding rate95.23MppsMAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 μs	Layer 2 Switching	
MAC address table16KVLANSupport 4KBuffer12MForwarding delay<10 μs	Switching capacity	160G
VLANSupport 4KBuffer12MForwarding delay<10 µs	Packet forwarding rate	95.23Mpps
Buffer12MForwarding delay<10 μs	MAC address table	16К
Forwarding delay<10 μsMDX/MIDXSupportFlow controlSupportJumbo FrameSupport 10KbytesSpanning TreeSupport STP/RSTP/MSTPRing ProtocolSupport ERPS	VLAN	Support 4K
MDX/MIDX Support Flow control Support Jumbo Frame Support 10Kbytes Spanning Tree Support STP/RSTP/MSTP Ring Protocol Support ERPS	Buffer	12M
Flow control Support Jumbo Frame Support 10Kbytes Spanning Tree Support STP/RSTP/MSTP Ring Protocol Support ERPS	Forwarding delay	<10 µs
Jumbo Frame Support 10Kbytes Spanning Tree Support STP/RSTP/MSTP Ring Protocol Support ERPS	MDX/MIDX	Support
Spanning Tree Support STP/RSTP/MSTP Ring Protocol Support ERPS	Flow control	Support
Ring Protocol Support ERPS	Jumbo Frame	Support 10Kbytes
Ring Protocol Support ERPS	Spanning Tree	Support STP/RSTP/MSTP
Link Aggregation Support 12group		Support ERPS
	Link Aggregation	Support 12group

Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
Radius/Mac authentication	Support
Port Isolation	Support
Rmon	Support
NTP client	Support
DHCP client	Support
DHCP snooping	Support
Ping/tracer detection	Support
Dying gasp	Support
Fiber module DDM	Support
Layer 3 Route	Support
Static Routes	1K static routes
	INStatio Foures
Convergence	
ACL	Support ACL 500 lines; Support IP standard ACL; Support MAC extended ACL; Support IP extended ACL
QOS	Support QoS re-marking, priority mapping; Support SP, WRR queue scheduling; Support egress rate-limited, egress rate-limit; Support Policy-based QoS
Management	
CLI	Support
Console	Support
IP	Support IPv4/IPv6
Telnet	Support
WEB	Support
SNMP	Support SNMPv1/v2c/v3
User	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support
Environment	
Operating temperature	-40°C~+75°C The device is tested for 4 hours at temperatures in 85°C
Storage temperature	-40°C~+85°C
Relative humidity	5%~95% (non-condensing)
Thermal methods	Fanless design, natural cooling
MTBF	100,000 hours
Mechanical Dimensions	
Product size	440*245*44mm
Installation Method	Rack mounted
Weight	3.6KG
EMC & Ingress Protection	
IP Level	IP40
Surge protection of Power	DC: IEC 61000-4-5 Level X (8KV/8KV) (8/20 μs); AC: IEC 61000-4-5 Level 3 (4KV/2KV) (8/20 μs)
Surge protection of Ethernet port	IEC 61000-4-5 Level 3 (4KV/2KV) (10/700 μs)
RS	IEC 61000-4-3 Level 3 (10V/m)
EFI	IEC 61000-4-4 Level 3 (1V/2V)
CS	IEC 61000-4-6 Level 3 (10V/m)
PFMF	IEC 61000-4-8 Level4 (30A/m)
DIP	IEC 61000-4-11 Level3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m
Authentication	
Certificates	CCC/CE/FCC/RoHS
Accessories	Device, Terminals, Specification, Certificate, Adapter(optional)

	245mm



440mm