

BSD-MIGS-0208GSFP Series

10-port Managed Industrial Ethernet Switch, with 2-port 1000Base-F(x) and 8-port 10/100/1000Base-T(x)

Features



- nSupport 2 port Gigabit SFP slot and 8 10/100/1000Base-T(x) Ethernet ports.
- nBSD network patent technology (Recovery time<20ms)
- nSupport STP, RSTP, MSTP.
- nSupport static multicast, IGMP Snooping and GMRP.
- nSupport QOS, Port based VLAN and IEEE 802.1Q VLAN.
- nSupport bandwidth management and storm suppression.
- nSupport CLI, SNMP, WEB and Telnet configuration.
- nSupport redundancy 48VDC power supply and 1 channel relay alarm output.
- nIndustrial grade 4 design, -40-85℃ work temperature.
- nIP40 protection grade, DIN-Rail mounting.

Introduction

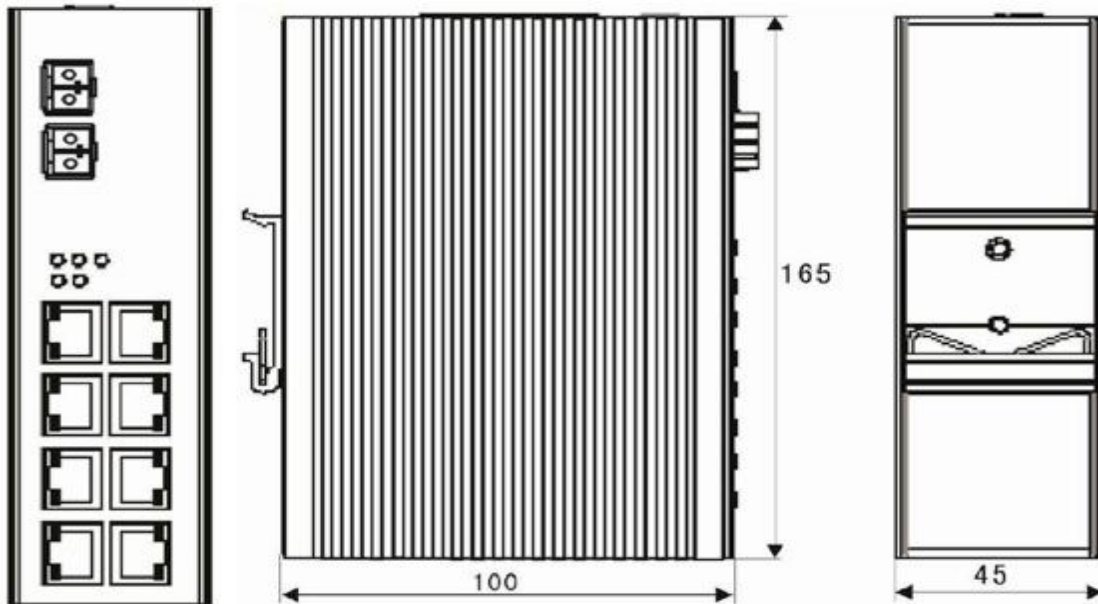
BSD-MIGS-0208GSFP is an industrial grade, managed and redundancy Ethernet switch which supports 8 Gigabit Ethernet Ports and 2 Gigabit SFP slots. It provided some kinds of advanced network managed function, such as: JHA-Ring redundancy ring network, VLAN, Trunking, Quality of Service, Speed control, port mirroring, fault alarm and firmware upgrade. JHA-Ring can bring your Ethernet to intelligent redundancy. Standard Industry design, can satisfied every requirement of the industry scene. All components used industry grade, it takes products high reliability. It provided wide voltage power supply input. Product accorded to CE, FCC, RoHS standard and Industry grade 4 design requirement, support 2 channel DC power input and 1 channel relay alarm output, and -40~85℃ working temperature, can meet all kinds of Industrial environment requirement and provide the solution of the economy.

Specification

Protocol Standard	Standard: IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3z	
Performance	Forwarding Rate: 17.856Mpps	
	Transmission Mode: Store and Forward	
	Packet Buffer Size: 12M	
	Backplane Bandwidth: 24Gbps	
	MAC Table Size: 16K	
Delay Time: < 10μs		
Ring Management	Bandwidth Management	The outbound port speed; speed limit particle size: 0 ~ 1G, step 100kbps.
	Expanding Ring Back	Based on port; supports link aggregation / LACP; support load balancing, support port protection; Spanning Tree Protocol: STP, RSTP, MSTP.
	System Upgrade	Support under BOOTROM Xmodem / TFTP upgrade; support for system files and Upload and upgrade configuration files.
	User Management	Hierarchical user and password protection, port septum away, broken fiber alarm, power failure alarm.
	System Maintenance	The optical module diagnostics, ping, port system count; support ERPS, ring protection switching time<20ms; with QOS traffic classification, priority Level of trust; SP, WRR queue scheduling, supports streaming strategies, suppression, support SNMP network Pipe; Support CLI / SNMP / WEB management, support Console and Telnet command line management.
Ethernet Port	10Base-T/100Base-TX/1000Base-TX Self-adaption, Half/full duplex and MDI/MDI-X auto detect	
Fiber Port	1000Base-X SFP slot	
Indicator	Power Indicator	PWR
	Port Indicator	LINK / ACT
Power Supply	Input Voltage	DC48V 1A (DC36-72V)
	Connector	6 bit 5.08mm removable terminal block
	Full Load	<5W
	Protection Mechanism	Overload Protection / Reverse Connection Protection / Redundancy Protection
Mechanical	Casing: Aluminum-alloy Case	
	IP Grade: IP40 protection	
	Dimension: 165*100*45mm(L*W*H)	
	Weight: 850g	
	Installation: DIN-rail mounting, wall mounting	
Environmental	Operating Temperature: -40 to 85°C	
	Operating Temperature: -40 to 85°C	
	Ambient Relative Humidity: 5% to 95% (non-condensing)	
Certification	CE, FCC, RoHS	

Industry Standards	Safety	UL508	
	EMI	FCC CFR47 Part 15, EN55022/CISPR22, Class A	
	EMS	IEC61000-4-2(ESD) $\pm 8\text{kV}$ (contact), $\pm 15\text{kV}$ (air)	
		IEC61000-4-3(RS) 10V/m(80MHz-2GHz)	
		IEC61000-4-4(EFT) Power Port: $\pm 4\text{kV}$, Data Port: $\pm 2\text{kV}$	
		IEC61000-4-5(Surge) Power Port: $\pm 2\text{kV}/\text{DM}$, $\pm 4\text{kV}/\text{CM}$, Data Port: $\pm 2\text{kV}$	
		IEC61000-4-6(CS) 3V(10kHz-150kHz), 10V(150kHz-80MHz)	
	Machine ry	IEC60068-2-6 (Vibration)	
IEC60068-2-27 (Shock)			
IEC60068-2-32 (Free Fall)			
MTBF	>100,000 Hours		
Warranty	5-years		

Dimension



Order Information

Model No.	Description of Goods
BSD-MIGS-0208GSFP	2*1000M SFP Slot + 8*10/100/1000M RJ45 Port, 1 Console Port, DIN-Rail, DC36-72V