

IDS1808F2

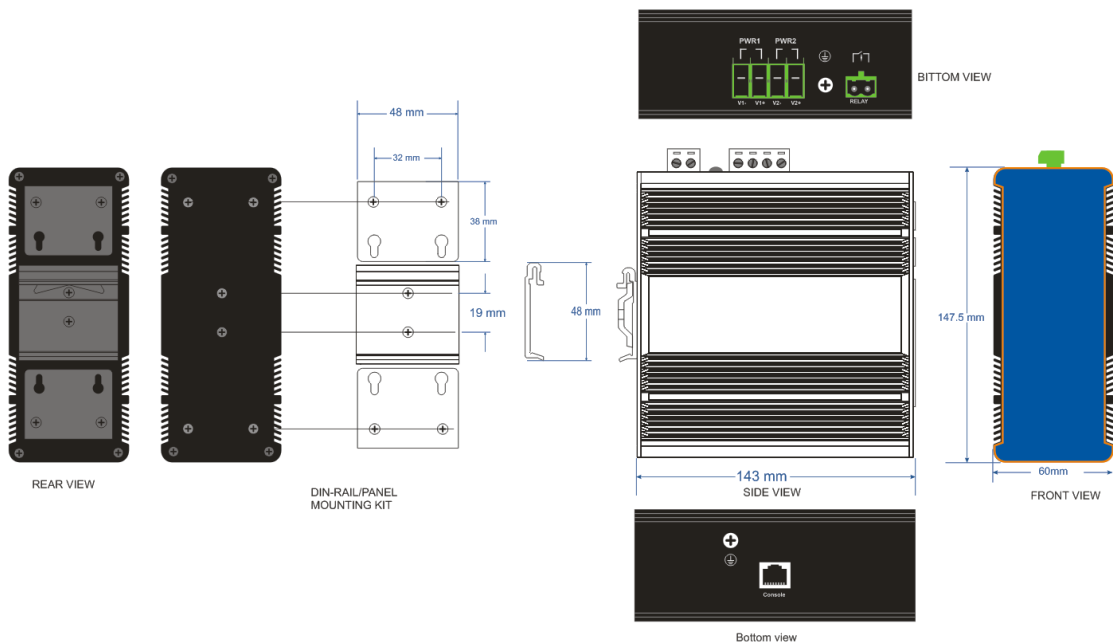
Din Rail Industrial managed Switch

Feature



- Support standard IEEE802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3z
- 8*10/100/1000M RJ45 and 2*1G/10G SFP slot
- bandwidth 12Gbps
- Support standard IP / extend IP / MAC IP / ARP 的 ACL
- Support IGMP snooping
- Support port mirroring and bandwidth control
- Support IEEE802.3x flow control
- Port-based VLANs and 802.1Q tagged VLANs are supported
- Support IEEE802.3ad port aggregation
- The spanning tree protocol IEEE802.1d/802.1w/802.1s is supported.
- Support EAPS and ERPS ring network protocols, and the recovery time is less than 20 ms.
- support IEEE 802.1p priority
- Support IEEE 802.1x user authentication service
- Support broadcast storm filtering
- Support system log
- Support CLI operation (CLI)
- It can be managed through various interfaces of Web/SNMP/SSH/Telnet/Console.

Dimension



specifications

Attributes	
Networking Interfaces	8x*10/100/1000 Mbps RJ45 ports 2 x 1G SFP slot
Management interface	Console port（RJ45）
LED Indicators	Power, Link/Act
Performance	
Switching Capacity	12 Gbps
Forwarding Capacity	8.93 Mpps
Forwarding Mode	Store and Forward
Packet Buffer Memory	4.1 Mbit
DDR storage	1 Gbit
Flash Memory	128 Mbit
MAC Address Table	8K
Max. Jumbo Frame size	16K
VLAN Quantity	4K
ACL Table	512
L3 Interface	32
Port Queues	8
Physical	
Dimensions	140x138x40mm
Weight	
Operating Temperature	-40 to 75℃
Storage Temperature	-40 to 75℃
Operating Humidity	5 to 95%无凝结
Power Method	12~57VDC
Max. Power Consumption	10W
Port Configuration	
Enable and Disable	Support control enable and disable

Auto-Negotiation	Support force port mode and speed
Flow Control	Support IEEE802.3x full-duplex Support half-duplex backpressure
Storm Control	Support broadcast, multicast and DLF package rate limit
Port Mirroring	Support many to one mirroring
Rate Limit	Support Port input and output rate limit
Link Aggregation	Support manual Link Aggregation Support LACP Up to 8 maximum aggregation groups, each containing up to 8 ports
Aggregation Strategy	Source MAC / Destination MAC / Source Destination MAC Source IP / Destination IP / Source Destination IP
Port Protection	Each port can be configured into isolated protected port from each other
MAC Configuration	
MAC Address Table Management	Support
Transfer Mode	Support IVL transfer mode
Static MAC Address	Support
MAC Binding	Support
MAC Address Filter	Support
MAC Quantity Limitation	Support limit the number of MAC-addresses Learning per port
VLAN Configuration	
VLAN Based on 802.1Q	Support
MAC-Based VLAN	Support
IP-Based VLAN	Support
Protocol-Based VLAN	Support
Voice VLAN	Support
Guest VLAN	Support
Private VLAN	Support
VLAN Mapping	Support 1:1 mapping
Double VLAN Markup	Support basic QinQ
环网协议	
Spanning Tree	Support STP/RSTP/MSTP
BPDU Guard	Support
BPDU Filter	Support
Port Loop Detection	Support
EAPS Protocol	Support RFC3619
ERPS Protocol	support
LLDP Protocol	Support LLDP and LLDP-MED
UDLD Protocol	Totally compatible with UDLD protocol of CISCO
Host Routing	
ARP	Support static ARP
Static Routing	Support
Multicast	
Static multicast address	Support
IGMP SNOOPING	Support
IGMP query packet	Support
IGMP filter	Support
MVR	Support
GMRP	Support

Access Control List (ACL)	
Based on Standard IP	Support
Based on Extend IP	Support
Based on MAC IP	Support
Based on MAC ARP	Support
Based on time	Support
Port Filtering	Support
Quality of Service (QoS)	
Scheduling Mode	Support WRR、RR、WDRR、SP
Sorting Based on Port	Support
Sorting Based on 802.1p	Support
Sorting Based on DSCP(DiffServ)	Support
Sorting Based on ACL Data Flow	Support
QoS Policy	Support packet mapped to the corresponding output queue Support to modify the packet's COS and DSCP sign Support limit of data flow Support statistics of data flow
安全配置	
Administrative Security	Support start and end TELNET, WEB and SNMP serve Support TELNET, WEB and SNMP serve binding with Standard IP ACL Support control the number of user for TELNET
CPU Protect	Switch self-security protect, forbid flow attack
IP-MAC Address Binding	Support binding between static configuration IP, MAC and Port
AAA	Support 802.1x protocol Support RADIUS protocol Support RADIUS server authentication authorization and bill Support MAC-based 802.1X authentication. Support 802.1x guest VLAN
DHCP SNOOPING	Support dynamic ARP binding to prevent ARP spoofing Support stationary port connect to DHCP server, to prevent privately connect to DHCP sever
Prevent ARP Spoofing	Support manual configure ACL rule based on MAC ARP prevent ARP spoofing Support DHCP SNOOPING function, switch dynamically binding ARP and port, when the DHCP get IP address , to prevent ARP spoofing
IPv6	
IPv4/IPv6 dual protocol stack	Support
IPv6 address	Support manual address configuration and stateless address automatic configuration.
IPv6 Neighbor Discovery Protocol	Support
ICMPv6	Support
IPv6 MTU discovery protocol	Support
Management Feature	
CLI Management	Support serial port management Support TELNET management Support SSH management
WEB Management	Support
SNMP Management	Support SNMP protocol Support SNMP TRAP Support standard and private MIB

User management	Support multi-user management
TACACS+	Support switch authentication by remote user name and password of TACACS+ server. Password encryption in PAP and CHAP modes is supported Support TACACS+ server to authorize the command of the switch. TACACS+ based on IPv4 and IPv6 is supported
Check CPU utilization	Support
Check the memory occupancy.	Support
Log Management	Support
RMON	Support RMON 1,2,3,9 group
Configuration Download / Upload	Support
Upgrade Firmware	Support
Timer Management	Support local timer management Support SNTP protocol get clock
Debugging Tools	
PING	Support
Route tracing	Support
TELNET client	Support

Order Information

Switch Models	
IDS1808F2	8GE+2SFP Din-rail Managed Industrial Ethernet Switch

