



Fibre Optic Active

PoE Industrial Switch 14-Port Full Gigabit Managed



Product Description

Briticom® L2+ managed industrial PoE fiber switch with 10 x 10/100/1000M RJ45 ports and 4 x 100/1000M uplink SFP slot ports, Port 1-8 can support IEEE802.3af/at PoE. Support DC dual power supply input and DIN rail mounting.

Features & Benefits

- Built-in 240W power supply
- DC dual input port
- 10 x 10/100/1000M RJ45 ports
- 4 x 100/1000M uplink SFP slot ports
- Port 1-8 can support IEEE802.3af/at PoE

Applications

- LAN Applications



Technical Specifications

	Model 01	Model 02
Fixed Port	8*10/100/1000Base-T PoE ports (Data/Power); 2*10/100/1000Base-T uplink RJ45 ports (Data); 4*100/1000Base-X uplink SFP slot ports (Data); 1 * RS232 console port(115200,N,8,1); 2 set of V+, V- redundant DC power interface (6 Pin Phoenix terminal); Power-off alarm switch (FAULT)	
Ethernet Port	10/100/1000Base-T,Auto-sensing,Full/half duplex MDI/MDI-X self-adaption	
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)	
Network Management Type	L2+	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX/FX; IEEE802.3ab 1000Base-TX; IEEE802.3z 1000Base-X; IEEE802.3x	
Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	256Gbps	
Forwarding Rate@64byte	20.83Mpps	
MAC	8K	
Buffer Memory	6M	
Jumbo Frame	9.6K	

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PoE Port	Port 1 to port 8	
Power Supply Pin	Default: 1/2 (+), 3/6 (-)	
Max Power Per Port	30W, IEEE802.3af/at	
Total PWR / Input Voltage	120W (48VDC)	240W (48VDC)
Power Consumption	Standby:<10W;Full load:<120W	Standby:<12W;Full load:<240W
Working Voltage	48-57VDC; 6 Pin industrial Phoenix terminal, support anti-reverse protection	
Power Supply	No, optional 48V/120W or 48V/240W industrial power supply	
LED Indicator	Power/System : SYS (green); Network: Link (yellow); SFP: L/F (green); PoE: PoE (green) ;Speed:100/1000 (green)	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter)	
	100BASE-TX: Cat5 or later UTP(≤100 meter)	
	1000BASE-T: Cat5e or later UTP(≤100 meter)	
Optical Cable	Multi mode: 850nm 0 ~ 550M,single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.	
Reset Switch	Yes, One-button factory reset	
Operation TEMP / Humidity	-40~+80°C;5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing	
Dimension (L*W*H)	165*148*54mm	
Net /Gross Weight	<1.1kg / <1.5kg	
Installation	Desktop, DIN rail	
Lightning protection / protection level	Lightning protection: 6KV 8/20us; Protection level: IP40 IEC61000-4-2(ESD):±8kV contact discharge,±15kV air discharge IEC61000-4-3(RS):10V/m(80~1000MHz) IEC61000-4-4(EFT): power cable:±4kV; data cable:±2kV IEC61000-4-5(Surge):power cable:CM±4kV/DM±2kV; data cable:±4kV IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz) IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s IEC61000-4-9(pulsed magnet field):1000A/m IEC61000-4-10(damped oscillation):30A/m 1MHz IEC61000-4-12/18(shockwave):CM 2.5kV,DM 1kV IEC61000-4-16(common-mode transmission):30V; 300V,1s FCC Part 15/CISPR22(EN55022):Class A IEC61000-6-2(Common Industrial Standard)	
Mechanical Properties	IEC60068-2-6 (anti vibration) IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)	
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;	
Warranty	5 years , lifelong maintenance.	
Interface	IEEE802.3X (Full-duplex) Port temperature protection setting Port green Ethernet Energy-saving setting Broadcast storm control based on port speed The speed limit of the message flow in the access port. The minimum particle size is 64Kbps	
Layer 3 Features	L2+ network management ,IPv4/IPv6 management; L3 soft routing forwarding; Static route, Default route @ 128 pcs, APR @ 1024 pcs	
VLAN	4K VLAN based on port, IEEE802.1q VLAN based on the protocol VLAN based on MAC Voice VLAN, QinQ configuration Port configuration of Access, Trunk, Hybrid	
Port Aggregation	LACP, Static aggregation Max 7 aggregation groups and 8 ports per group	
Spanning Tree	STP (IEEE802.1d),RSTP (IEEE802.1w),MSTP (IEEE802.1s)	
Industrial Ring Network Protocol	G.8032 (ERPS),Recovery time less than 20ms 250 Ring at most, Max 1024 devices per ring	

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Multicast	MLD Snooping v1/v2, Multicast VLAN IGMP Snooping v1/v2, Max 1024 multicast groups, Fast log out
Port Mirroring	Bidirectional data mirroring based on port
QoS	Flow-based Rate Limiting Flow-based Packet Filtering 8*Output queues of each port 802.1p/DSCP priority mapping Diff-Serv QoS, Priority Mark/Remark Queue Scheduling Algorithm (SP, WRR, SP+WRR)
ACL	Port-based Issuing ACL, ACL based on port and VLAN L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc
Security	IP-MAC-VLAN-Port binding ARP inspection, Anti-DoS attack AAA & RADIUS, MAC learning limit Mac black holes, IP source protection IEEE802.1X & MAC address authentication Broadcast storm control, Backup for host datum SSH 2.0, SSL, Port isolation, ARP message speed limit User hierarchical management and password protection
DHCP	DHCP Client, DHCP Snooping, DHCP Server, DHCP Relay
Management	One-key recovery Cable Diagnose, LLDP Web Management (HTTPS) NTP, System work log, Ping Test CPU instant utilization status view Console/AUX Modem/Telnet/SSH2.0 CLI Download & Management on FTP, TFTP, Xmodem, SFTP, SNMP V1/V2C/V3 ONV NMS - smart network management system platform (LLDP+SNMP)
System	Category 5 Ethernet network cable Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer 10 or later; TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network

Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Type		Copper Ports		Power Supply		Plug Type	
IS	Industrial Switch	24RJ	24 RJ45	DC	DC Power	UK	UK
PS	PoE Switch					EU	European
						US	USA
						SK	SCHUKO
▲		▲		▲		▲	
IS	GB	10RJ	4SF	DC	48V	UK	MG
	▼		▼		▼		▼
10/100/1000M	GB	4 SFP Slots	4SF	24V 48V	24V 48V	Managed	MG
Signal		Fibre Ports		Voltage		Managable	

Example Part Number	
Description	Part Number
10 RJ45 to 4 SFP Slot 10/100/1000M Industrial Managed Switch	ISGB10RJ4SFDC48VUKMG

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