

BDCOM Gigabit Managed Switch S2928 Series

Variants

S2928E

Details

L3-LITE MANAGED PoE+ SWITCH

24× Gigabit PoE+ • 4× 10GE/GE SFP+ • 370W PoE Budget • L3-Lite

Product Overview

The **S2928-P** is a high-performance Layer 3-Lite managed PoE+ switch designed for enterprise networks, ISP deployments, surveillance systems, wireless networks, and other professional Ethernet applications.

It provides **24 Gigabit PoE/PoE+ Ethernet ports** together with **4 × 10GE/GE SFP+ uplink ports**, a switching capacity of **128 Gbps**, forwarding performance of **96 Mpps**, and a total AC PoE power budget of **370W**.

PoE PORTS

24 × GE

PoE / PoE+

UPLINK

4 × 10G

SFP+

SWITCHING

128 Gbps

POE BUDGET

370W

AC Power

Hardware Specifications

Parameter	Specification
Model	S2928-P
Switching Capacity	128 Gbps
Forwarding Rate	96 Mpps
Ethernet Ports	24 × Gigabit PoE / PoE+
Optical Uplink	4 × 10GE / GE SFP+
PoE Power Budget	370W AC
Maximum PoE / Port	30W
No-Load Power Consumption	25W
Full-Load Power Consumption	< 410W
Power Supply	AC 100–240V, 50/60Hz / DC 36–72V

Parameter	Specification
Cooling	2 Fans
MAC Address Table	16K
Jumbo Frame	9K
Buffer Size	1.5 MB
Dimensions (W × D × H)	440 × 300 × 44 mm
Installation	1U / Standard 19-inch Rack Mount
MTBF	> 200,000 Hours
Lightning Protection	±6KV
Certification	CE / FCC

PoE / PoE+ Capability

370W Total PoE Power Budget

Supports **IEEE 802.3af PoE** and **IEEE 802.3at PoE+** with up to **30W per port**, suitable for powering IP cameras, wireless access points, IP phones and other compatible PoE devices.

Layer 2 & Layer 3 Features

Function	Support
VLAN	4K VLAN IDs, 4094 Active VLANs, 64 SVI

Function	Support
Advanced VLAN	GVRP, VLAN Mapping, QinQ, Selective QinQ, Flexible QinQ, Private VLAN, Voice VLAN
VLAN Classification	Port, MAC, Protocol and Subnet-Based VLAN
Spanning Tree	STP / RSTP / MSTP, BPDU Protection, Root Protection
IPv4 Routes	512
IPv4 Routing	Static Routing, RIP v1/v2, OSPF, VRRP, PBR
IPv6	IPv6 Routing, RIPng, OSPFv3, VRRPv3, DHCPv6, MLD Snooping
DHCP	Server, Client, Relay and Snooping
Link Aggregation	Static / LACP, up to 64 Groups, up to 8 Ports per Group

Multicast Features

IGMP v1 / v2 / v3 – up to 1024 Groups

IGMP Snooping v1 / v2 / v3

IGMP Fast Leave

PIM Snooping

Multicast Filtering

Multicast Group Policy & Group Limit

MVR Support

MLD Snooping v1 / v2 for IPv6

Network Security

? L2–L4 Ingress / Egress ACL

? Anti-DoS & IP Spoofing Protection

? SYN / ICMP / Ping Flood Protection

? Broadcast / Multicast Storm Control

? Port Isolation & Port Security

? IP + MAC + Port Binding

? DHCP Snooping / Option 82

? Dynamic ARP Inspection

? IP Source Guard

? 802.1X Authentication

? AAA / RADIUS / TACACS+

? Multi-Level User Management

Management & Monitoring

Management	Support
CLI	Console / Telnet / SSH v1/v2

Management	Support
Web Management	HTTP / HTTPS / SSL
SNMP	SNMP v1 / v2c / v3, RMON, Alarm / Inform / Traps
File Management	FTP / TFTP Upload & Download
Monitoring	Syslog, NTP, SPAN, RSPAN, LLDP, LLDP-MED
Optical Monitoring	Optical DDM
Diagnostics	Ethernet Cable Diagnosis / VCT
Deployment	ZTP – Zero Touch Provisioning

Standards & Protocol Support

Ethernet: IEEE 802.3, 802.3u, 802.3z, 802.3ab, 802.3ae, 802.3x

PoE: IEEE 802.3af / IEEE 802.3at

Switching: IEEE 802.1D, 802.1w, 802.1s, 802.1p, 802.1Q, 802.1ad, 802.1X

Discovery / OAM: IEEE 802.1ab LLDP / LLDP-MED, IEEE 802.3ah OAM

Energy Efficiency: IEEE 802.3az EEE

Environmental Specifications

Condition	Specification
Operating Temperature	0°C to +50°C
Operating Humidity	10%–90% RH, Non-Condensing

Condition	Specification
Storage Temperature	-40°C to +70°C
Storage Humidity	5%–95% RH, Non-Condensing

Recommended Applications

- ISP Networks
- Enterprise Networks
- IP CCTV
- Wi-Fi Access Points
- Data Centers
- Campus Networks
- Hotels & Buildings
- Government Networks

High-Capacity PoE Switching with 10G Fiber Uplinks

With 24 Gigabit PoE+ ports, 370W AC PoE budget, 10G SFP+ uplinks, advanced VLAN, routing, multicast, security and management features, the S2928-P is designed for professional networks requiring both high-capacity data switching and centralized PoE power delivery.