SW-24400 24-Port Gigabit PoE Managed Stackable Switch

i3 Part# SW-24400

Features

- 24-Port 10/100/1000Base-T Gigabit RJ-45 with IEEE 802.3af/802.3at PoE Injector
- 4 100/1000Base-X mini-GBIC/SFP slots, shared with Port-21 to Port-24
- 2 HDMI-like 5GbE Stacking interfaces
- RS-232 DB9 console interface for Switch basic management and setup
- Power over Ethernet, 802.3af/802.3at compliant
- PoE Management, Stacking, Plug and Play connectivity
- Link Aggregation groups spanning multiple switches in a stack
- Hardware learning with MAC table synchronization across stack
- Supports VLAN, Supports Spanning Tree Protocol
- Supports Link Aggregation

Application & Benefits

i3 International introduces new members to our PoE switch series. The SW-24400 is a 24-Port Gigabit PoE Managed Stackable Switch. The SW-24220, with its high performance Gigabit Power-over-Ethernet (PoE) is made for megapixel and IP Camera installations. The SW-24400 has IEEE 802.3af PoE standard (Up to 15.4W) and IEEE 802.3 standard (Up to 30.8W) on all ports. SW-24400 provides high scalability for current and future network infrastructure. SW-24400 offers a maximum of 30.8 Watts for each Gigabit ports or 360 Watts for all ports.
A convenient feature SW-24400 provides is an SMTP and SNMP Trap alarm function. Instant alarm will be sent to the administrators when email errors occur. Alarms are sent out by email when IP cameras changed or when the Ethernet cable broken or loose, the SW-24400 would detect it and spontaneously send the error alarm to the assigned receiver or network management center. It also records when the error happens and the recovery status.
For increased flexibility, SW-24400 supports both IPv4 and IPv6 management functions. SW-24400 provides two dedicated High-Speed HDMI-like interfaces for stacking management. Up to 16 units of stacking, 384 Gigabit PoE ports can be managed as a group. Two built-in stacking ports provides 5Gbps bandwidth and up to 20Gbps Bi-directional speed.

The SW-24400 switch can be programmed for advanced switch management functions such as dynamic Port link aggregation, Q-in-Q VLAN, private VLAN, Multiple Spanning Tree protocol (MSTP), Layer 2 to Layer 4 QoS, bandwidth control and IGMP Snooping. SW-24400 provides 802.1Q Tagged VLAN, and the VLAN groups allowed will be maximally up to 255. Via aggregation of supporting ports, the SGSW-24040HP allows the operation of a high-speed trunk combining multiple ports. It enables maximum up to 12 groups of 16 ports for port link aggregation and supports fail-over as well.

Accessories Options:
SW-HD5 0.5 Meter 5Gbps Stacking Cable with Crossed HDMI
SW-HD20 2 Meter 5Gbps Stacking Cable with Crossed HDMI

International Standards Organization Registered Firm; ISO 9001 Quality System

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Hardware Specification	
Copper Ports	24 10/ 100/1000Base-T RJ-45 Auto-MDI/MDI-X ports with IEEE 802.3at PoE injector
SFP/mini-GBIC Slots	4 1000Base-SX/LX/BX SFP interfaces, shared with Port-21 to Port-24 100Base-FX SFP transceiver compatible
Console	1 x RS-232 DB9 serial port (115200, 8, N, 1)
Switch Processing Scheme	Store-and-Forward
Switch Fabric	68Gbps
Address Table	8K entries
Share data Buffer	1392 kilobytes
Flow Control	IEEE 802.3x Pause Frame for Full-Duplex, Back pressure for Half-Duplex
Jumbo Frame	10Kbytes
LED	System: Power, Master, FAN Alert, PoE Power Alert, Ports: 10/100/1000 Link/Act, PoE In-Use, SFP Link, Stack Port Link
Dimension (W x D x H)	440 x 300 x 44.5 mm, 1U height
Weight	4.5kg
Power Consumption	Max. 432 Watts / 1473 BTU
Power Requirement	AC 100~240V, 50/60Hz
ESD Protection	6KV DC
Power over Ethernet	
PoE Standard	IEEE 802.3af / 802.3at Power over Ethernet / PSE
PoE Power Supply	End-Span
PoE Power Output	Per Port 52V DC. Max. 30.8 Watts
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	360 Watts
PoE Ability	Number of PD @7Watts:24; Number of PD @15.4Watts:23; Number of PD @30.8Watts:11
Stacking	
Stacking Ports	Two 5Gbps HDMI-Like interface
Stacking Numbers	16
Stacking Bandwidth	10Gbps (Full-Duplex)
Stack ID Display	7-Segment LED Display (1~9, A~F,0)
Stack Topology	Ring / Chain / Back-to-Back stack
Layer 2 function	
Basic Management Interfaces	Console, Telnet, Web Browser, SNMPv1, v2c
Secure Management Interfaces	SSH, SSL, SNMP v3
Port configuration	Port disable/enable; Auto-Negotiation 10/100/1000Mbps full and half duplex mode selection; Flow Control disable / enable; Bandwidth control on each port
VLAN	802.1Q Tagged Based VLAN; Port-Based VLAN; Q-in-Q; Private VLAN Edge (PVE); Up to 256 VLAN groups, out of 4094 VLAN IDs
Spanning Tree Protocol	IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Spanning Tree; IEEE 802.1s Multiple Spanning Tree; Up to 8 MST instances
Link Aggregation	IEEE 802.3ad LACP / Static Trunk; Supports 12 groups of 16-Port trunk support
QoS	Traffic classification based, Strict priority and WRR; 4-Level priority for switching; - Port Number, - 802.1p priority, - 802.1Q VLAN tag; DSCP/TOS field in IP Packet Policy-Based QoS
IGMP Snooping	IGMP (v1/v2/v3) Snooping, up to 255 multicast Groups; IGMP Querier mode support
Access Control List	IP-Based ACL / MAC-Based ACL; Up to 256 entries
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX/100Base-FX; IEEE 802.3z Gigabit SX/LX; IEEE 802.3ab Gigabit 1000Base-T; IEEE 802.3x Flow Control and Back pressure; IEEE 802.3ad Port trunk with LACP; IEEE 802.1D Spanning tree protocol; IEEE 802.1w Rapid spanni
Standards Compliance	IEEE 802.1Q VLAN Tagging; IEEE 802.1X Port Authentication Network Control; IEEE 802.1ab LLDP; RFC 768 UDP; RFC 793 TFTP; RFC 791 IP; RFC 792 ICMP; RFC 2068 HTTP; RFC 1112 IGMP version 1; RFC 2236 IGMP version 2; IEEE 802.3af Power over Ethernet; IEEE 802.
Environment	
Operating	Temperature:0 ~ 50 Degree C; Relative Humidity:20 ~ 95% (non-condensing)
Storage	Temperature:-40 ~ 70 Degree C; Relative Humidity:20 ~ 95% (non-condensing)

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