



Fast Ethernet

High Quality Video Over IP



Ethernet Switch

ieS4028FP

ieS4028FP provides wire speed 10/100 Fast Ethernet PoE/Non-PoE switching with features targeted for voice and high quality video over IP. They provide 4 Gigabit ports as well, showing high price/performance ratio. Their IP clustering feature allows up to 36 switches to be managed in a logical group using a single IP address. Advanced QoS features are provided to minimize latency and give priority for voice and video packets. For PoE use, It supports 15.4W per port (802.3af) and up to 180W total consumption.

- High Gigabit Port Density
- IEEE802.3af Power over Ethernet supported in all the access ports
- IP Clustering
- GVRP and Voice VLAN
- IGMP Snooping
- MultiLink Trunking through LACP
- Comprehensive Security

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Specifications



Physical Features

Physical Features	
ieS4028FP	
Ports	<ul style="list-style-type: none"> • 24 10/100 BASE-T ports with PoE • 2 10/100/1000 BASE-T ports • 2 Gigabit combo ports • 1 Console port
Switching Capacities	<ul style="list-style-type: none"> • 12.8Gbps
Forwarding Rate	<ul style="list-style-type: none"> • 9.5Mpps
Weight	<ul style="list-style-type: none"> • 4.13kg • 9.11lbs
Dimension	<ul style="list-style-type: none"> • 4.3 x 44 x 33cm • 1.7 x 17.3 x 12.992inch
AC Input	<ul style="list-style-type: none"> • 100 to 240V, 50-60Hz
Power Consumption	<ul style="list-style-type: none"> • 225W (System 45W, PoE 180W)
Power-over-Ethernet	<ul style="list-style-type: none"> • Maximum output power per port : 15.4W • Maximum output power per port : 7.5W simultaneously
Network Interface	<ul style="list-style-type: none"> • 10/100 BASE-T ports • 10/100/1000 BASE-T ports • SFP Transceiver slots supporting SX, LX and ZX SFP • Multimode fiber cable : 62.5/125 or 50/125 microns • Single mode fiber cable : 9/125 micron

Software Features

Feature	Description
Flow Control	<ul style="list-style-type: none"> • IEEE 802.3x for full duplex mode • Back pressure flow control half duplex mode
Spanning Tree	<ul style="list-style-type: none"> • IEEE 802.1D STP • IEEE 802.1w RSTP • IEEE 802.1s MSTP • Spanning Tree Fast Forwarding • Auto Edge • Loop Protection
MAC Addresses	<ul style="list-style-type: none"> • 8K MAC address entries
VLAN	<ul style="list-style-type: none"> • 802.1Q Tag-based VLAN • 802.1Q Port-based VLAN • 802.1v Protocol-based VLAN • 256 VLANs entries out of 4K VLAN IDs • GVRP • Voice VLAN
IGMP Snooping	<ul style="list-style-type: none"> • V1, V2, V3 • Querier • Immediate Leave • Filtering and throttling
Link Aggregation	<ul style="list-style-type: none"> • IEEE 802.3ad with LACP • 8 aggregation groups up to 8 ports
MVR	<ul style="list-style-type: none"> • Yes
Jumbo Frame	<ul style="list-style-type: none"> • 10K in gigabit ports
QnQ	<ul style="list-style-type: none"> • Yes
Quality of Service	<ul style="list-style-type: none"> • Priority queue : Scheduling (Strict priority, WRR), 4 queues per port • DiffServ • COS : IEEE 802.1p, DSCP based COS • Rate limiting (Per Port based) : Ingress, Egress

Feature	Description
Security	<ul style="list-style-type: none"> • Storm Control : Broadcast storm, Multicast storm, DLF (Destination Lookup Failure) • MAC Address filtering • Username/Password authentication • Access control list (L2/L3/L4) • AAA : RADIUS, TACACS+ • MAC based Authentication • HTTPS/SSL • SSHv1/v2 • 802.1x : Port-Based, Supplicant Support, VLAN Assignment, Guest VLAN, Co-works with Radius, TACACS+ server • Management Interface Access filtering : SNMP, WEB, Telnet • DHCP Snooping • IP Source Guard
Management	<ul style="list-style-type: none"> • Management method : Web-based, Telnet (4 sessions) • Software download : TFTP, Xmodem • Dual Firmware Images • Configuration file download : TFTP • SNMP v1/v2c/v3 • RMON (group 1, 2, 3, 9) • BOOTP : Client • DHCP : Client, Relay (Option 82) • Port mirroring (one-to-many) • Event/Error Log : Local, Syslog, SMTP • Remote Ping • SNTp • NTP • IEEE 802.1ab (LLDP) • UPnP, Banner, Web authentication • IP Clustering (36 members)

* Specifications are subject to change without prior notice



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