SAMSUNG

Ubigate™
iES4000 Series
Ethernet Switches

Ubigate iES4000 Series Ethernet workgroup switches are a perfect solution for today's IP Telephony environments with low TCO, simple management, and highest stability.

iES4028FP/iES4028F

iES4028FP

iES4028F

iES4028F and iES4028FP provide 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 a PoE model, up to 15.4W per port (802.3af) can be supported.

iES4024GP

iES4024GP

iES4024GP provides wire speed 10/100/1000 Gigabit Ethernet switching with PoE. Two additional Gigabit Combo ports are supported. The switch shows an excellent 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. And up to 15.4W per port (802.3af) can be supported.

Benefits

Features	Descriptions
High Gigabit Port Density	Up to 4 10/100/1000 Gigabit Uplink Ethernet Ports available in 1RU Chassis (iES4028FP, iES4028F)
IEEE802.3af	IEEE802.3af Power over Ethernet supported in all the access ports (iES4028FP, iES4024GP)
IP Clustering	Up to 36 switches can be managed in a single logical group using a single IP address
GVRP and Voice VLAN	Supports 802.1Q and port-based VLAN. Dynamic VLAN supported through GVRP Voice VLAN can provide best QoS for IP telephony automatically
IGMP Snooping	Can save bandwidth and improve throughput by sending multicast traffic only to ports with registered multicast group members
MultiLink Trunking through LACP	Can bundle multiple Ethernet Ports to provide bigger bandwidth pipe
Comprehensive Security	L2~L4 ACL, Radius, TACACS+, SSH, SSL, 802.1x based Port Security, DHCP Snooping

Ubigate™ iES4000 Series
Ethernet Switches

Product Specifications

Physical Features

	iES4028FP	iES4028F	iES4024GP
Ports	• 24 10/100 BASE-T ports with PoE • 2 10/100/1000 BASE-T ports • 2 Gigabit combo ports • 1 Console port	• 24 10/100 BASE-T ports • 4 Gigabit combo ports • 1 Console port	• 22 10/100/1000 BASE-T ports with PoE • 2 Gigabit combo ports with PoE • 1 Console port
Switching Capacities	• 12.8Gbps	• 12.8Gbps	• 48Gbps
Forwarding Rate	• 9.5Mpps	• 9.5Mpps	• 35.7Mpps
Weight	• 4.13kg • 9.11lbs	• 3kg • 6.7 lbs	• 4.33kg • 9.53 lbs
Dimension	• 4.3 x 44 x 33cm • 1.7 x 17.3 x 12.992inch	• 4.3 x 44 x 17.2cm • 1.7 x 17.3 x 6.7inch	• 4.3 x 44 x 32cm • 1.7 x 17.3 x 12.6inch
AC Input	• 100 to 240V, 50-60Hz	• 100 to 240V, 50-60Hz	• 100 to 240V, 50-60Hz
Power Consumption	• 225W (System 45W, PoE 180W)	• 30W	• 225W (System 45W, PoE 180W)
Power-over-Ethernet	• Maximum output power per port : 15.4W • Maximum output power per port : 7.5W simultaneously	• NA	• Maximum output power per port : 15.4W • Maximum output power per port : 7.5W simultaneously
Network Interface	• 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	• IEEE 802.3x for full duplex mode • Back pressure flow control half duplex mode
Spanning Tree	• IEEE 802.1D STP • IEEE 802.1w RSTP • IEEE 802.1s MSTP • Spanning Tree Fast Forwarding • Auto Edge • Loop Protection
MAC Addresses	• 8K MAC address entries
VLAN	• 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	• V1, V2, V3 • Querier • Immediate Leave • Filtering and throttling
Link Aggregation	• IEEE 802.3ad with LACP : 8 aggregation groups up to 8 ports
MVR	• Yes
Jumbo Frame	• 10K in gigabit ports
QnQ	• Yes
Quality of Service	• 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	• 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	• 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)