Samsung Ubigate iES[A1 SECURITYCAMERAS The First Name in Security]thernet Switches

A cost effective, integrated network foundation to keep businesses well connected

In today's highly competitive business environment keeping employees connected to each other and to key business applications becomes vital to business efficiency and market success.

The Samsung Ubigate iES4000 series ethernet switches provide a cost effective and reliable foundation for all your business applications and a perfect solution for today's IP telephony environments.

Keep your business well connected

The Samsung Ubigate iES4000 series switches fully integrate with Samsung OfficeServ telephony systems providing enhanced features for voice and high quality video over IP with an "all Samsung" networking and communications solution.

Featuring up to 24 10/100 Fast Ethernet ports for iES4028FP and iES4028F models, and 10/100/1000 Gigabit Ethernet ports for iES4024GP and four Gigabit ports in a one-rack unit chassis, the layer 2-managed family offers a high performance to price ratio. Plus, Power over Ethernet (PoE) is available with iES4028FP and iES4024GP models, adding to the cost-effectiveness of the solution.

The PoE feature on the iES4028FP and iES4024GP models removes the need for AC power adapters to each PoE enabled end-point and eliminates the cost of additional electrical cabling typically required with IP phone and wireless LAN deployments. It also eliminates the need for power injectors and PoE mid-spans for powering IP devices.

Since up to 36 switches can be clustered and managed from a single IP address, system capabilities can be easily extended to meet the needs of growing companies. Additionally, multilink trunking allows bundling of multiple ports, providing higher bandwidth and redundancy.

Combined with Samsung OfficeServ telephony systems, the new Ubigate iES4000 Series Ethernet Switches provides a cost-effective, single-vendor networking and communications solution.

The new family of Ubigate™ iES4000 Series Ethernet Switches is a secure, high-performance network management solution that addresses the ever-present need for organisations to reduce the total cost of ownership of its communications equipment.

iES4028F

iES4024GP

iES4028FP

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PRODUCT SPECIFICATIONS - HARDWARE

	iES4028F	iES4028FP	iES4024GP
			
PORTS	• 24 10/100 BASE-T ports • 4 Gigabit combo ports • 1 Console port	• 24 10/100 BASE-T ports with PoE • 2 10/100/1000 BASE-T ports • 2 Gigabit combo ports • 1 Console port	• 22 10/100/1000 BASE-T ports with PoE • 2 Gigabit combo ports with PoE • 1 Console port
SWITCH FABRIC	• 12.8Gbps • 9.5Mpps	• 12.8Gbps • 9.5Mpps	• 48Gbps • 35.7Mpps
SWITCHING DB	• 8K MAC address entries	• 8K MAC address entries	• 8K MAC address entries
WEIGHT	• 3kg	• 4.13kg	• 4.33kg
DIMENSION	• 4.3 x 44 x 17.2cm	• 4.3 x 44 x 33cm	• 4.3 x 44 x 32cm
AC INPUT	• 100 to 240V, 50-60Hz	• 100 to 240V, 50-60Hz	• 100 to 240V, 50-60Hz
POWER CONSUMPTION	• 30W	• 225W (System 45W, PoE 180W)	• 225W (System 45W, PoE 180W)
POWER-OVER-ETHERNET	• NA	• Maximum output power per port: 15.4W • Maximum output power per port : 7.5W simultaneously	• 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		

FUNCTIONALITY - SOFTWARE

FEATURES	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
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

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FUNCTIONALITY – SOFTWARE continued…

FEATURES	DESCRIPTION

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

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(Option82)
	• 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)

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