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MSG2300 Series Enterprise Gateway

By integrating routers, switches, firewalls, VPN, and WLAN in one single device, MSG2300 Series Enterprise Gateway is simple to use and manage for SMEs(small and medium businesses) and enterprise small branch offices. The gateway provides the performance required for concurrent services, including firewall, content filtering, encryption for VPNs, IEEE 802.11g/n for mobility, and quality-of-service (QoS) features for optimizing voice and video applications at broadband speeds. Easy deployment and centralized management features help enable enterprises or service providers to deploy the Raisecom MSG2300 Series Enterprise Gateway, and greatly reduce both the equipment and management cost.

MSG2300 Series Enterprise Gateway

Highlights

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Connection Flexibility	Dual WAN connections: One 10/100/1000BASE-T Gigabit Ethernet WAN port, One Gigabit Ethernet optical port for additional SFP for WAN connectivity. 3G Wireless (WCDMA/EVDO) backup or primary.
Service Assurance	Support IEEE802.1q,802.1p and TOS/Diff-serv
Integrated Network	Support Routing, NAT/NAPT, DHCP, DNS/DDNS, IEEE802.11b/g/n,PPPoE
Advanced Security	Support VPN, Firewall, Content filtering, Anti-DoS, Anti-ARP, Antivirus, IPS, IDS
Easy Management	Management via Web management, TR069, SNMP, Telnet, CLI

Typical Application
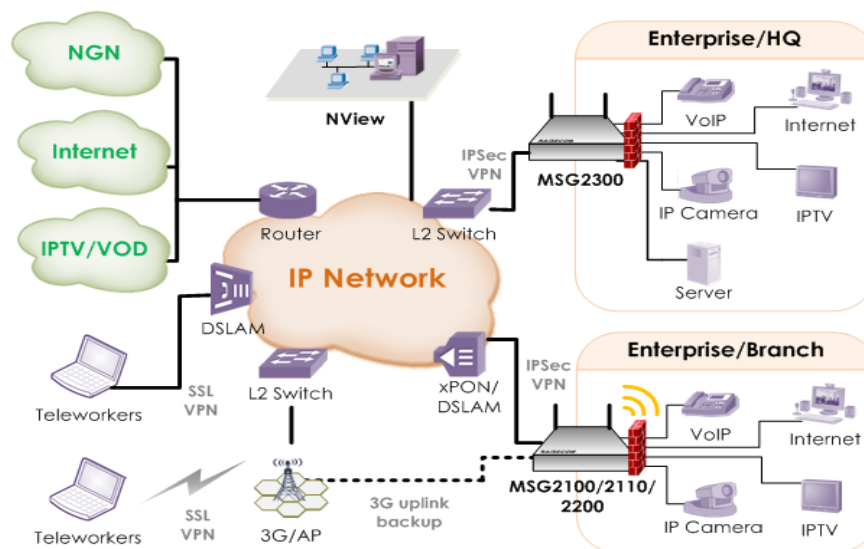
Figure.1 SME VPN Interconnections

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Features

| IP features	Routing capability - Static & Dynamic routing (RIPv1/v2), OSPF
	Generic routing encapsulation (GRE)
	Network Address Translation (NAT)/NAPT
	IGMP Proxy/Snooping
	Dynamic Host Configuration Protocol (DHCP) server, relay, and client
	Domain Name System (DNS) Client, Proxy
	Dynamic Domain Name System (DDNS)
	Access control lists (ACLs)
	Supports PPPoE
	Supports Ipv6
Switch features	Auto Media Device In/Media Device Cross Over (MDI-MDX)
	Storm Control
	MAC filtering
Security features	Layer 2 Tunneling Protocol (L2TP)
	Secure Sockets Layer (SSL) VPN for secure remote access,
	SSL 2.0/SSL3.0/TLS1.0
	Maximum of up to 100 IPSec VPN Tunnels
	Hardware-accelerated DES, 3DES, AES 128, AES 192, and AES 256
	Authentication (SHA-1, MD5)
	Manual Key, IKE, PKI (X.509)
	Zone-based policy firewall:
	Stateful inspection transparent firewall
	Dynamic and static port security
	Advanced application inspection and control
	Content filtering
	ACLs
	Anti-DoS
	Anti-ARP
	Antivirus
	Intrusion detection system(IDS)
	Intrusion prevention system(IPS)
WLAN features	Automatic rate selection for 802.11g
	2 x 2 MIMO radio operation
	Autonomous or unified access point
	Software-configurable transmit power
	Static and dynamic Wired Equivalent Privacy (WEP)
	WPA /AES/TKIP
	MAC authentication and filter
QoS	IEEE 802.1P

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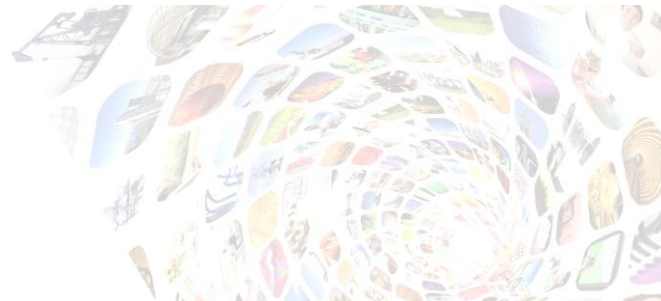
	ToS/Diff-Serv Scheduling algorithm: SP,WRR,SP+WR
Throughput	150 Mbps,220,000 PPS when firewall and NAT are enable
USB features	One USB 2.0 port for booting, and loading configuration One for 3G Wireless backup or primary.
Management features	Web management TR069 Telnet SNMPv1/v2/v3 CLI
High-availability features	3G Wireless backup (3G models only)

Specifications

WAN interface	1*10/100/1000Base-T and 1 GE optical port for additional SFP interface 1*EVDO/WCDMA Wireless backup or primary
LAN interface	8*10/100M auto-negotiation RJ45 connector
Wlan interface	2*IEEE 802.11b/g/n
Serial port configuration	9600bps/8bit/none parity/1 stop bit/none flow control
Dimension	230*160*44.2mm (W*D*H)
Weight	< 2kg
Power supply	AC Power supply: 100V~240VAC
Power consumption	≤ 15W (at max load)
Working environment	Temp: 0 ~ 45 Celsius RH:10 ~ 90% non-condensing

Compliances

Standards & protocols	IEEE802.3-2002
	IEEE802.3ah-2004
	IEEE802.3 10BaseT
	IEEE802.3u 100BaseTX
	IEEE802.3ab 1000BaseT
	IEEE802.3z 1000BaseX
	IEEE802.1w
	IEEE802.3x full duplex on 10BaseT, 100BaseTX, and 1000BaseT ports
	IEEE802.1q-2003
	IEEE802.1p
	IEEE802.11b
	IEEE802.11g
	IEEE802.11n
	TR069

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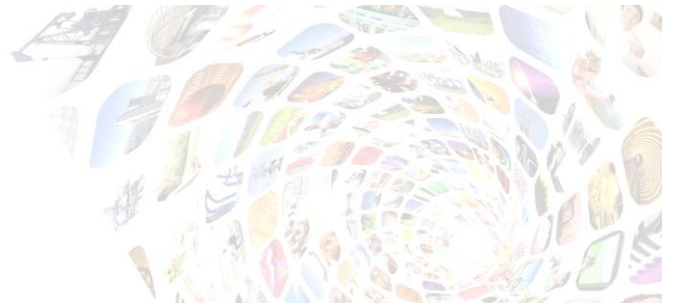
Ordering Information

MSG2300-GEGF-AC	1*10/100/1000Base-T and one GE optical port for additional SFP uplink, 2*USB2.0 port , 1*EVDO/WCDMA backup or primary, 8*10/100Base-T, 1*WLAN(IEEE802.11b/g/n), 100~240VAC, 50/60Hz.
MSG2300-2GF-AC	2*GE optical port for additional SFP uplink, 2*USB2.0 , 1*EVDO/WCDMA backup or primary, 8*10/100Base-T, 1*WLAN(IEEE802.11b/g/n), 100~240VAC, 50/60Hz
MSG2300-2GE-AC	2*10/100/1000Base-T uplink, 2*USB2.0 port , 1*EVDO/WCDMA backup or primary, 8*10/100Base-T, 1*WLAN(IEEE802.11b/g/n), 100~240VAC, 50/60Hz.
MSG2300-EPON-AC	1*EPON optical port uplink, 2*USB2.0 , 1*EVDO/WCDMA backup or primary, 8*10/100Base-T, 1*WLAN(IEEE802.11b/g/n), 100~240VAC, 50/60Hz.