



The **4ipnet MSG300 Secure Wireless Office Controller** provides a wiser choice for small-to-medium-sized businesses to setup a wired and wireless office network that is secure, access controlled, and optimized for voice and data services. With advanced centralized AP management functions, Access Points in the wireless office network can be remotely controlled and monitored via a web-based administration interface. In addition, MSG300's future proof platform can be easily integrated with existing business network infrastructure, while providing the scalability to meet evolving corporate needs.

## FEATURES & BENEFITS

### Network Segmentation & Simplified Deployment

- Integrated secure wired and wireless network access control
- Provide virtual Service Zones by partitioning a physical network into multiple virtual networks with VLAN technology
- Each Service Zone can have its own definable access control profiles
- To classify users, different network usage levels and user privileges can be defined for respective user Groups

### Authentication, Authorization & Account Roaming Support

- Built-in local database and instant account authentication database for cost reduction
- Support multiple external authentication methods including RADIUS, LDAP, NT Domain, POP3 and SIP registrar
- Support "Single Sign-On" for Windows Domain to seamless integrate wireless user access control with Windows Server
- User account roaming among different offices via built-in database or external RADIUS server

### Secure WLAN & VPN Connection

- Support multiple standards-based data encryption for wireless security
- Clientless implementation of local VPN termination provides the highest level of wireless security without any hassle
- Client-to-site VPN with clientless approach simplifies set-up of remote VPN access for traveling employees
- Site-to-site VPN provides secure and cost-effective connections across different locations

### Effective User Management

- Easy, instant account generation for visitors simplifies management of visitor access to office network
- Role-based access control enhances management of various user groups in an office

### Centralized Access Point (AP) Management

- Centralized remote control and automatic AP discovery
- Management and monitoring of managed APs via web-based administration interface, including AP's system settings, online status, enabling/disabling, reset, and firmware upgrade
- Periodically monitors APs and notifies administrator of problematic APs

#### *Integrated AAA Support*

#### *Multiple Authentication Methods*

#### *Simple Visitor Access Management*

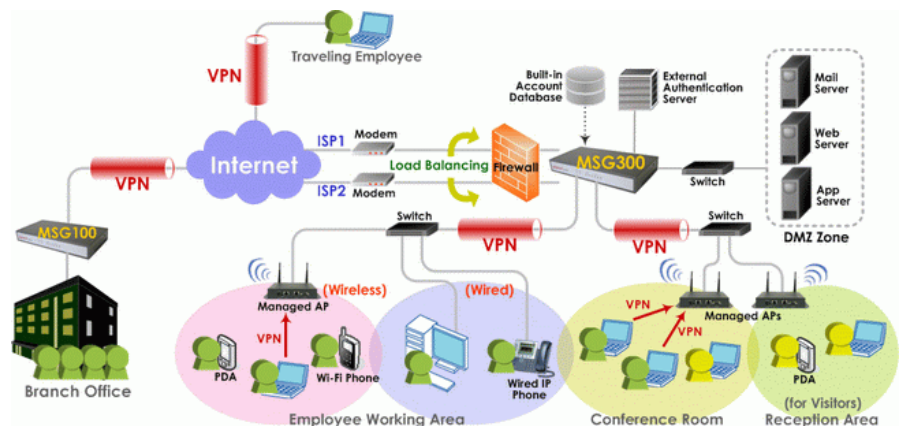
#### *Scheduled Firewall & Role-based Access Control*

#### *Local, Client-to-Site and Site-to-Site VPN*

#### *WAN Failover*

#### *Load Balancing*

#### *SIP Transparent Proxy for VoIP*



### IPSec VPN Encrypted Network

## Networking

- Support Router, NAT mode
- Support Static IP, DHCP, PPPoE mode on WAN interfaces and PPTP (WAN 1 only)
- Support IP Plug and Play (IP PnP)
- Built-in DHCP server and support for DHCP relay
- Support NAT:
  - (1) IP/Port Destination Redirection
  - (2) DMZ Server Mapping
  - (3) Virtual Server Mapping
  - (4) H.323 Pass-Through
  - (5) SIP Pass-Through
- Support static route
- Support Wake on LAN, Web-based utilities (Ping, Trace Route and ARP) and Dynamic DNS
- Walled Garden
- Support MAC Address Pass-Through
- Support HTTP Proxy
- WAN failover and load balancing on dual WANs

## Security

- Local VPN tunnels to enhance wireless security
- Client-to-site remote VPN of PPTP over public Internet
- Site-to-site VPN tunnels over public Internet
- Support VPN Pass-Through (IPSec and PPTP)
- Support built-in DoS attack protection
- Support MAC Access Control List
- Support user Black List
- Allow MAC address and user identity binding for local user authentication
- Support QoS and WMM

## User Management

- Simultaneous support for multiple authentication methods (Local, POP3, LDAP, RADIUS, NT Domain, On-demand and SIP)
- Role-based access control (including Firewall policies, Specific route, Login Schedule, Bandwidth, and Session)
- Support multiple service zones in Port-based or Tag-based mode
- Independent setting of each service zone such as customized login portal page
- Support time-based firewall
- User Session Management:
  - (1) SSL protected login portal page
  - (2) Support multiple logins with one single account
  - (3) Session idle timer
  - (4) Session and account expiration control
  - (5) Email message with a hyperlink and login reminder for accessing login page
  - (6) Single Sign-On for Windows Domain
  - (7) Login time frame control
  - (8) Support user Session Limit to optimize system performance
- Instant account generation for guests by authorized users without IT's intervention
- User account roaming support
- Support local account grouping to classify users

## System Administration

- Web-based management UI
- Customizable login and logout portal pages
- SSH remote management
- Remote firmware upgrade
- NTP time synchronization
- Menu driven console management interface
- Utilities to backup and restore the system configuration
- SNMP v2 support

## AP Management

- Provide centralized remote management via HTTP
- Auto discovery for managed APs
- Able to enable or disable APs easily
- Provide templates for managed APs for easy configuration
- Able to centrally monitor managed APs for the system status, the number of associated clients, and RF information
- Upgrade managed APs centrally, including bulk upgrade
- Monitor 3<sup>rd</sup> party, non-integrated AP

## Monitoring and Reporting

- Status monitoring of on-line users
- Monitoring of IP-based network devices
- WAN connection detection and failure alert message
- Support SYSLOG for diagnosing, troubleshooting and logging
- User traffic session (TCP/UDP) log
- Traffic history report in an automatic email to administrator
- Support external RADIUS accounting
- Notification email of status monitoring and reporting

## Hardware Specifications

- WAN Ports: 2 x 10BASE-T/100BASE-TX RJ-45
- LAN Ports: 4 x 10BASE-T/100BASE-TX RJ-45
- Console Port: 1 x RS-232 DB9
- LED Indicators: 1 x Power, 1 x Status, 2 x WAN, 4 x LAN

## Physical and Power

- Power Adapter: 100~240 VAC, 50/60 Hz
- Form Factor: Mini-book
- Dimensions (W x D x H): 11.8" x 6.1" x 1.7"  
(300 mm x 155 mm x 43 mm)
- Weight: 2.5 lbs (1.15 kg)

## Environment

- Operating Temperature: 0 ~ 40 °C
- Storage Temperature: -20 ~ 65 °C

## Certifications

- CE, FCC, RoHS

## Capacity and Performance

Capacity and Performance	MSG100	MSG300
Local Accounts	200	500
Instant Guest Accounts	200	500
Remote VPN Tunnels	10	10
Site-to-Site VPN Tunnels	3	10
Local VPN Tunnels	50	120
Managed APs	6	12