



The **4ipnet MSG100 Secure Wireless Office Controller** is an innovative and cost-effective "network-service-in-a-box" office WLAN controller that provides remote, centralized management of data and voice services for small and branch offices. It simplifies typical complex office network deployment into an easy-to-manage, integrated wired/wireless network infrastructure for small businesses, while retaining the resilience to adapt to future technology changes or network expansions.

## 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 profile
- To classify users, different network usage levels and user privileges can be defined for respective user Groups
- Deployment flexibility enables network configuration and management for various office networks

### Authentication, Authorization & Account Roaming Support

- Built-in local database (200 users) 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
- Bandwidth management for individual and group users to improve efficiency of network resource utilization

#### Integrated AAA Support

#### Multiple Authentication Methods

#### Simple Visitor Access Management

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

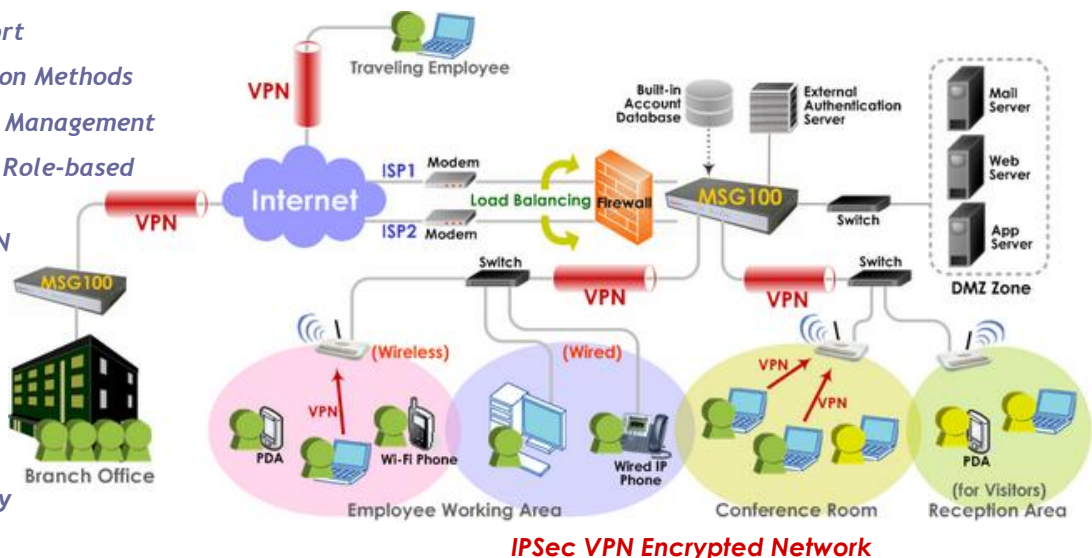
#### Multiple Types of VPN Connection:

- Local VPN
- Client-to-Site
- Site-to-Site

#### WAN Failover

#### Load Balancing

#### SIP Transparent Proxy for VoIP Application



## Networking

- Support Router, NAT mode
- Support Static IP, DHCP, PPPoE mode on WAN interfaces and PPTP (WAN1 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
- HTTP Proxy Servers
- WAN failover and local balancing on dual WANs
- Support multiple service zones in Port-based or Tag-based mode

## 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
- Allows 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 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
- 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) logging
- Traffic history report in an automatic email to administrator
- Support 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