



**DIGISOL™**

# WIRELESS AND BROADBAND

## DIGISOL Wireless Access Controller and Multi-WAN Gateway

### DG-WU2008 (H/W Ver. A2)



#### Key Features:-

- Multi Gigabit WAN with load balance function
- VLAN Management
- Powerful Firewall Function
- Captive Portal Authentication
- Central Management for Wireless AP
  - Zero config
  - Device Group
  - Assign IP address for Wireless AP



#### Introduction:-

**DIGISOL DG-WU2008** is a mid size Enterprise Gateway based on CAPWAP protocol. With Multi-Gigabit-WAN ports up to 4, Load Balance, Ethernet backup and Ethernet Superimposed functions, together with Smart QoS, VPN management, VLAN Management, and built in Firewall features. DG-WU2008 can access into 512 end users, supply high speed, high stability and high security Ethernet to them, it is widely applied to middle size enterprise, hotel, shopping mall, etc. It can fit wireless access point in centrally or remotely, greatly to save the setup, configuration and maintenance cost.

#### Multi Gigabit WAN with load balance function

DG-WU2008 support PPPoE/DHCP/Static IP work with different ISP and max 512 end users can access into it. It consists multi Gigabit WAN ports up to 4, support load balance to avoid bandwidth overload, or recover the dropped networking line to ensure the whole networking smoothly. It supports policy-based routing function; administrator can set the network based on IP/MAC/Domain/Interface policies.

#### VLAN Management

DG-WU2008 support VLAN management, it can trunk the VLAN ID from VLAN switch, then allow the WLAN controller to manage the wireless AP under VLAN switch.

#### Powerful Firewall Function

DG-WU2008 support multiple firewall features: Port Mapping, IP filter, URL filter, MAC filter, DMZ to prevent the network storm, ARP attack and supply a stable safety networking for end users.

#### Captive Portal Authentication

DG-WU2008 supports local authentication and remote authentication, especially captive portal authentication like Member Login.

#### Others

DG-WU2008 support VPN router, Static IP, DDNS. To make it meet with more customer request.

#### Central Management for Wireless AP

**Zero config:** Add one Zero Config group before powering on wireless AP, then DG-WU2008 will assign configuration data to wireless AP automatically based on group's configurations

**Device Group:** Set up different groups in the device for different AP models, then assign configuration data to the wireless AP under each group automatically.

**Assign IP address for Wireless AP:** DG-WU2008 consists Build in DHCP Server so that it can assign the IP address for wireless AP automatically to avoid IP conflict and save human cost.



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# WIRELESS AND BROADBAND

## Technical Specifications:-

### Standard and Protocol

- IEEE 802.3, 802.3u, 802.3ab
- TCP/IP, DHCP, NAT, PPPoE, SNTP, HTTP, DDNS, PPTP, L2TP
- CAPWAP Protocol,

### Interface

- 2 \* Gigabit WAN ports, max 4 WAN ports
- 4 \* Gigabit LAN ports, min 2 LAN ports
- 1 \* Console Port
- 2 \* USB2.0 ports

### Power

- AC100~240V, Max 50W

### Size

- 440mm\*380mm\*44mm

### Working Temperature

- -20°C~55°C

### Storage Temperature

- -40°C ~ 70°C

### Working Humidity

5% ~ 97%RH (No condensation)

### Firmware Function

#### AP Management

- Max to manage 512 Wireless AP
- Central/Remote Management and Configuration
- End User Status Monitor

### WAN Connection Type

- DHCP, Static IP, PPPoE

### DHCP

- DHCP Server/Client

### MAC Clone

- Modify WAN/LAN/DMZ MAC Address

### VLAN Management

- Trunk VLAN ID to manage wireless AP

### Load Balance

- Multi-WAN, Multi-ISP
- Intelligent Load Balance
- Line Backup
- Ethernet Superimposed
- Policy Routing
- Online Detection

### Routing

- Static Routing

### Flow Control

- IP-based Bandwidth Control
- Guarantee & Limited Bandwidth
- Time-Scheduled Policy
- IP-based Session Limit

### Security

- MAC Filtering
- URL Filtering
- IP Filtering
- Port Mapping
- DMZ

### Attack Defense

- TCP/UDP/ICMP Flood Defense
- Block TCP Scan
- Block Ping from WAN

### ARP Inspection

- Sending GARP Packets
- ARP Scanning by WAN/LAN
- IP-MAC Binding

### Authentication

- Local Authentication
- Remote Authentication (RADIUS)
- Captive Portal Authentication
- PPPoE Server
- MAC Authentication
- IP Authentication

### Management

- Web/CLI/Telnet Management Interface
- Remote Management

### Others

- DDNS, VPN management

### Warranty

- DIGICARE Standard warranty

## Ordering Information:-

**DG-WU2008 (H/W Ver. A2): DIGISOL Wireless Access Controller and Multi-WAN Gateway (5GE LAN, 4GE WAN, 2 USB, 1 Console)**

\*Standard Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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Power Connector

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