



DIGISOL[®]

WIRELESS AND BROADBAND

DIGISOL Enterprise Gateway & WLAN Controller

DG-WU2001



Key Features:-

- Manage / Monitor upto 64 AP's
- Captive portal / MAC / PPPoE / IP Authentication
- Multi WAN Loadbalancer Function
- Gigabit LAN/WAN.



Introduction:-

DIGISOL DG-WU2001 is a middle size Enterprise Gateway based on CAPWAP protocol. Support Load Balance, Ethernet backup and Ethernet Superimposed, multi-ISP access; then support DHCP, policy routing and VPN, together with Smart flow control, Abundant security, varied user management and multiple authentication function, it is consistent to provide high efficiency and professional network connectivity for hotel, enterprise, Internet bar, shopping mall. What's more, it can manage the wireless access point fast and stable in central and remote, provide whole wireless coverage solution, cost saved and convenient.

Main Features:-

Multiple Gigabit WAN and multiple routing functions

DG-WU2001 supports PPPoE/DHCP/Static IP/PPTP access, works with different ISPs and max 80 end users can access into it. Supports multiple Gigabit WAN ports, support load balance, Ethernet Superimposed and multiple ISP network access to avoid bandwidth overload, then support Ethernet backup to recover the dropped networking line, ensure the whole networking smoothly; It supports policy-based routing function also, administrator will set the network based on IP/MAC/Domain/Interface policies.

Smart QoS

DG-WU2001 with powerful QoS functions: One-click to enable/disable the smart QoS, which can recognize the traffic size and traffic characteristics, algorithm the fairness and control network latency to improve the downloading, video, games and web pages network experience. Multiline shunt policy like maximum allow 180 Ethernet lines to access and shunt, IP shunting and session shunting, process diversion and other shunting rules like time, port, routing table, application and shunting weight, to meet with different application requests. Application Priority Automatically: auto to give priority to games, web applications under bandwidth constraints conditions. Support Policy Bandwidth control and TCP, UDP connection quantity according to IP address, individual users, user department and online time conditions to limit the maximum flow on each line, ensuring different services for different users and applications.

Abundant security mechanism

DG-WU2001 supports a variety of security mechanisms, like TCP/UDP/ICMP Flooding, IP/MAC/URL/Web filtering functions, Ping of Death and other related threats, extend protection to every port of the router and enable the ports to provide DoS/DDoS attack protection, traffic monitoring, Uniform Resource Locator (URL) filtering, and application layer filtering.

Multiple authentication

DG-WU2001 supports portal authentication, PPPoE authentication, IP and MAC authentication. It supports Wechat authentication, one-time password authentication, display or promote advertisement to user and bring extra value for merchant; It can comply with third party Radius server for billing function. What's more, it works as PPPoE server, can create PPPoE account, password, bandwidth and valid time, to realize PPPoE billing function.

Remote Maintenance, Auto firmware upgrade

Administrator can access into DG-WU2001's management interface page remotely at home, to manage and maintain the wireless access point, keep the whole network stable in economic way. DG-WU2001 can automatically upgrade the new released firmware, zero steps to recover the system problem.

Others

DG-WU2001 supports VPN dial up, DNS Proxy, IP address translation, user behavior management, make it more professional in Enterprise.

AC management for wireless AP

Assign IP address for Wireless AP: Built in DHCP Server, it can assign the IP address for wireless AP automatically when AP online; AP's IP address can be same/different as user's IP address based on request.

Template Configure: Administrator can set different templates for different models, like SSID, password, mode, channel, RF power, coverage threshold and tag VLAN; Then can select wireless AP or upgrade AP firmware by models, clear to view on/off status by different color. Channel Analysis: support Wi-Fi channel analysis, select the channel with less wireless AP to avoid latency and package loss, keep best wireless coverage performance.



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Technical Specifications:-

HARDWARE SPECIFICATIONS	
MODEL	DG-WU2001
Protocol	IEEE 802.3, 802.3u, 802.3ab
	TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DDNS, IPsec, PPTP, L2TP, CAPWAP Protocol
CPU	MT7621
DDR	256M
Flash	16M
Heat Dissipate	Natural heat dissipation
Ports	4 × 10/100/1000Mbps LAN ports (can set to WAN port)
	1 × 10/100/1000Mbps WAN port
Power	AC:100-240V,50HZ
Dimension	277.8mm*180mm*37.7mm
Working Temperature	-20°C~55°C
Storage Temperature	-40°C ~ 70°C
Working Humidity	5% ~ 97%RH (No condensation)
Firmware features	
AP Management	Max to access and manage 80 users
	Max to manage 80PCS wireless AP
	Centrally and remotely to manage/configure wireless AP
	View user's status
Smart Flow Control	One click smart flow control
	Powerful multiline diversion
	Application Priority Automatically
Load Balance	Multiple WAN, multiple ISP network access
	Intelligence load balance
	Ethernet line backup
	Ethernet Superimposed
	Policy routing: based on IP address, destination IP address, source MAC address, network port, domain, destination port, Extranet port, Identity binding
	Protocol binding
Routing	Static Routing
Behavior Management	All-round to block P2P firmware
	P2P flow control and bandwidth allot
	File and URL filter
	Monitor network behavior at all times
VPN	L2TP, PPTP, VTUNS
Bandwidth limitation	IP-based bandwidth limitation
	Safeguard / Restrict bandwidth
	Time strategy
	IP based session restriction



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Technical Specifications:-

HARDWARE SPECIFICATIONS	
MODEL	DG-WU2001
Security Center	MAC address filter
	UPR/key words filter
	Web content filter
	IP address filter
	Port mapping
	DMZ
Defense Center	TCP/UDP/ICMP flood defense
	Block TCP scanning
	Block ping WAN port
ARP Detection	Send GARP packets
	ARP Scanning on WAN/LAN port
	Online detection
	IP-MAC binding
Authentication	PPPoE authentication
	Portal authentication, WEB password authentication
	IP and MAC authentication: Allow/deny user access by IP/MAC address
Management	Web/CLI/Telnet management
	Remote management
Others	DDNS, VPN management
Content	DG-WU2001*1
	Power Cable *1
	Installation Accessory
	QIG*1

Supported Access Points	DG-WM6305SIE2 (Indoor Dualband Ceiling)
	DG-WA7910P (Outdoor Dualband AP)
	DG-WM2003SIE (Indoor 2.4GHz AP)
	DG-WM520TWI (Inwall AP Dualband)

Ordering Information:-

DG-WU2001 : DIGISOL Wireless-AP Controller for or 64 Aps and Multi WAN Gateway with Load balance function

*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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DIGISOL is a Subsidiary of Smartlink Holdings Limited

DIGISOL SYSTEMS LIMITED
CITIPOINT, 7th Floor,
Unit No. B-701, B-702 & B-703,
Andheri-Kurla Road, J. B. Nagar,
Andheri (East),
Mumbai - 400059, INDIA



1800-209-3444



www.digisol.com



helpdesk@digisol.com

@DIGISOLINDIA