All-in-One Appliance

Single point of user access control and AP management
No client device configuration
Customizable login portal page
Ease of maintenance

Optimal Network Performance

WAN Failover and WAN Load Balancing* on dual WAN ports
Routing and NAT Modes
Configurable Static Route and Policy Route
Dynamic DNS
Port-based or Tag-based Service Zones (VLAN) associated with different authentication policy

Secure Management

Configurable firewall policies based on IP protocol, port, source MAC address, source/destination service zone, source/destination IP
VPN (IPsec and PPTP)
Denial-of-Service (DoS) Mitigation

User Management

Support for multiple authentication methods (Local, RADIUS, NT Domain, LDAP, POP3(S)) simultaneously
Easy guest access management
Role-based and policy-based access control
User traffic history log

Centralized AP Management

Centralized remote control of APs
Automatic discovery of manageable APs
Roaming between AP without re-login
Remote status monitoring
System alarms and statistics reports

* This feature will be available in a future firmware release.

Appliance for integrated access management

Overview

The DSA-3600 is a high-performance, all-in-one multi-service network appliance designed specially for small and medium business operational environment. This pre-integrated multi-service appliance reduces the need for SMBs to acquire multiple networking devices to provide a complete solution, thus minimizing the complexity of integration and configuration. The DSA-3600 is a complete network solution that delivers reliable and cost-effective services to SMBs and enterprise branch office. This appliance can be installed, operated, and maintained from a single secure interface, which makes it ideal for quick and easy deployment, without the need for complex IT expertise.

Simplified Deployment and Administration

The DSA-3600 offers seamless integration into existing wireless and wired network without any need to change configuration on client devices. It offers a customizable login portal page where the authentication process can be controlled, and provides easy maintenance, and management of an entire corporate network from a single point, thus eliminating ongoing administration costs.

Industry Standard Wireless Security

With comprehensive security features such as integrated user authentication based on industry standards, authorization of end-to-end communication to wireless and wired networks, and standards-based encryption that ensures data privacy to user's device, the DSA-3600 business gateway offers not only comprehensive security features, but also provides the highest level of wireless security and ease of use in establishing remote VPN access (client to site) through local VPN termination clientless approach. Site-to-site VPN also provides cost-effective and secure connection among different branch offices, and with configurable packet filtering policies, enhance the DSA-3600 to provide greater control of data traffic.

Easy and Efficient User Management

With simultaneous support for internal and external user authentication, the DSA-3600 is also able to provide easy management of guest and user access authorization to wireless network. Using policy-based control, management of multiple categories of users and real-time per user status monitoring are also made possible. Per-user bandwidth limit enables flexible traffic control for different scenarios, and per-user traffic history log provides critical information for analysis and record keeping.

Comprehensive AP Management

Centralized remote control of managed APs eliminates the need to configure each device individually, and automatic discovery identifies manageable APs to add to its device list. Remote status monitoring of managed APs and associated client stations enables the efficient utilization of network resources, and with system alarms and statistics reports on managed APs, the DSA-3600 provides not only a complete solution to access management, but also optimal network performance.

Appliance for integrated access management

Technical Specifications	
Network	Routing, NAT mode Configurable Static Route and Policy Route Static IP, DHCP, PPPoE or PPTP on WAN1 interface Static IP, DHCP, PPPoE on WAN2 interface Failover and Load balancing*on dual WAN ports Port-based or Tag-based Service Zones (VLAN) associated with different authentication policy DHCP server and DHCP relay Internal/External HTTP Proxy Dynamic DNS IP Plug and Play (IP PnP)

Security and VPN	Hardware-based VPN accelerator
	Web-based IPSec VPN tunnels between local clients and DSA-3600
	Web-based PPTP VPN between remote clients and DSA-3600 over public Internet
	Site to site IPSec VPN initiation and termination over public Internet
	VPN Pass-Through (IPSec and PPTP)
	Encryption: DES, 3DES, AES
	NAT, NAPT:
	   • IP/Port Redirection
	   • DMZ Server Mapping
	   • Virtual Server
	   • H.323 Pass-Through
	   • SIP Pass-Through*
	Configurable firewall policies based on IP protocol, port, source MAC address, source/destination service zone, source/destination IP
	Denial-of-Service (DoS) Mitigation

AP Management	Number of Managed APs: 12 Types of Managed APs: DWL-2100AP (H/W A4 with F/W 2.20EU or above*), DWL-3200AP* Automatic discovery and listing of managed APs Configuration templates for Managed AP Monitor Managed APs' info: Real-time Stat, Name, Type, Report Time, SSID, No. of associated clients Monitor Managed APs' RF info: Report Time, SSID, Beacon Interval, RTS Threshold, Channel, Transmission Rate, Preamble Type Monitoring associated client stations' info: MAC Address, Username, No. of Send/Receive Packets, 802.11 Mode, Power Saving Mode Centralized AP management: Built-in firmware store, remote bulk upgrade System alarms and status reports on managed APs
Monitoring and Reporting	Monitoring of on-line users status Monitoring of IP-based network devices (online or offline) WAN connection failure alert Support Syslog Monitor IP report/Users Log/Guests User log/AP Status Change Report notification by email

* This feature will be available in a future firmware release.

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User Access Management	Support for multiple authentication methods (Local, RADIUS, NT Domain, LDAP, POP3(S)) simultaneously
	Role-based and policy-based access control
	User Session Management:
	▪ HTTP/HTTPS login page
	▪ Multiple logins with one single account
	▪ Session idle timer
	▪ Single sign-on with Windows NT domain
	▪ Firewall Policy
	▪ Specific Route Policy
	▪ Schedule Policy
	▪ QoS Policy
	Walled Garden (free surfing zone)
	MAC Address Pass-Through and IP Address Pass-Through
	MAC Access Control List
	User Black List
	MAC address and user identity binding for local user authentication
System Management	Web-based management UI
	Customizable login and logout portal page
	Https remote management
	SNMPv2
	Remote firmware upgrade
	NTP time synchronization
	Console management interface support
	Backup and restore of system configuration
Capacity and Performance	Concurrent Users 120
	Local Accounts 500
	Guest User Accounts 500
	Managed Access Points (DWL-2100AP and DWL-3200AP*) 12
	Monitored IP-based network devices 40
	MAC Address Pass-Through 100
	IP Address Pass-Through 100
	Easy Web-based IPsec Tunnels for Local Clients 120
	Easy Web-based PPTP Tunnels for Remote Clients 10
	IPsec VPN Tunnels (Site to Site) 10
	Throughput with VPN/without VPN 30 Mbps/90 Mbps
Hardware Specifications	Form Factor: Mini-desktop
	Dimensions (W x D x H): 300 mm x 156 mm x 45 mm
	Weight: 1.4 Kg
	Operating Temperature: 0 ~ 45 ^{O}C, Storage Temperature: 0 ~ 65 ^{O}C
	Power: 110 ~ 220 VAC, 50/60 Hz
	Ethernet Interfaces: 6 x Fast Ethernet (10/100 Mbps)
Connectors and Display	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
Certifications	CE, FCC, VCCI & RoHS

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Ordering Information

Model Name	Description
DSA-3600/A	Multiservice Business Gateway - Mini-desktop with 6-port Fast Ethernet, 2*WAN and 4*LAN ports respectively (A=USA)
DSA-3600/B	Multiservice Business Gateway - Mini-desktop with 6-port Fast Ethernet, 2*WAN and 4*LAN ports respectively (B=UK)
DSA-3600/E	Multiservice Business Gateway - Mini-desktop with 6-port Fast Ethernet, 2*WAN and 4*LAN ports respectively (E=EUR)
DSA-3600/N	Multiservice Business Gateway - Mini-desktop with 6-port Fast Ethernet, 2*WAN and 4*LAN ports respectively (N=AUS)
DSA-3600/C	Multiservice Business Gateway - Mini-desktop with 6-port Fast Ethernet, 2*WAN and 4*LAN ports respectively (C=CN)
DSA-3600/K	Multiservice Business Gateway - Mini-desktop with 6-port Fast Ethernet, 2*WAN and 4*LAN ports respectively (K=KOREA)
DSA-3600/J	Multiservice Business Gateway - Mini-desktop with 6-port Fast Ethernet, 2*WAN and 4*LAN ports respectively (J=JAPAN)