



### 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, and 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

## 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

|                                 |   |
|---------------------------------|---|
| <b>Network</b>                  | <p>Routing, NAT mode</p> <p>Configurable Static Route and Policy Route</p> <p>Static IP, DHCP, PPPoE or PPTP on WAN1 interface</p> <p>Static IP, DHCP, PPPoE on WAN2 interface</p> <p>Failover and Load balancing on dual WAN ports</p> <p>Port-based or Tag-based Service Zones (VLAN) associated with different authentication policy</p> <p>DHCP server and DHCP relay</p> <p>Internal/External HTTP Proxy</p> <p>Dynamic DNS</p> <p>IP Plug and Play (IP PnP)</p>   |
| <b>Security and VPN</b>         | <p>Hardware-based VPN accelerator</p> <p>Web-based VPN tunnels between local clients and DSA-3600 (IPSec for Windows 2000/XP and PPTP for Windows Vista Support)</p> <p>Web-based PPTP VPN between remote clients and DSA-3600 over public Internet</p> <p>Site to site IPSec VPN initiation and termination over public Internet</p> <p>VPN Pass-Through (IPSec and PPTP)</p> <p>Encryption: DES, 3DES, AES</p> <p>NAT, NAPT:</p> <ul style="list-style-type: none"> <li>▪ IP/Port Redirection</li> <li>▪ DMZ Server Mapping</li> <li>▪ Virtual Server</li> <li>▪ H.323 and SIP Pass-Through</li> </ul> <p>Configurable firewall policies based on IP protocol, port, source MAC address, source/destination service zone, source/destination IP</p> <p>Denial-of-Service (DoS) Mitigation</p> <p>HTTP &amp; DNS Service Protection Support</p> <p>User session limit (10, 25, 50, 100, 200, 350, 500 and Unlimited)</p>   |
| <b>AP Management</b>            | <p>Number of Managed APs: 12</p> <p>Types of Managed APs:</p> <ul style="list-style-type: none"> <li>▪ DWL-2100AP: v2.20eu, v2.20na, v2.30eu, and v2.30na (H/W A4), v2.30jp, H/W version 4.</li> <li>▪ DWL-3200AP: v2.20 and v2.30 (H/W B1)</li> <li>▪ DWL-8200AP: v1.20 (H/W A2)</li> </ul> <p>Automatic discovery and listing of managed APs</p> <p>Configuration templates for Managed APs</p> <p>Monitor Managed APs' info: Real-time Stat, Name, Type, Report Time, SSID, No. of associated clients</p> <p>Monitor Managed APs' RF info: Report Time, SSID, Beacon Interval, RTS Threshold, Channel, Transmission Rate, Preamble Type</p> <p>Monitoring associated client stations' info: MAC Address, Username, No. of Send/Receive Packets, 802.11 Mode, Power Saving Mode</p> <p>Centralized AP management: Built-in firmware store, remote bulk upgrade</p> <p>System alarms and status reports on managed APs</p> |
| <b>Monitoring and Reporting</b> | <p>Monitoring of on-line users status</p> <p>Monitoring of IP-based network devices (online or offline)</p> <p>WAN connection failure alert</p> <p>Support Syslog</p> <p>Monitor IP report/Users Log/Guests User log/AP Status Change Report notification by email</p>  |



## Appliance for integrated access management

|   |   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
|---|---|------------------|-----|----------------|-----|-------------------------|-----|-----------------------|----|------------------------------------|----|--------------------------|-----|-------------------------|-----|---|-----|--|----|----------------------------------|----|---------------------------------|-----------------|
| <b>User Access Management</b>                       | <p>Support for multiple authentication methods (Local, RADIUS, NT Domain, LDAP and POP3(S)) simultaneously</p> <p>Role-based and policy-based access control</p> <p>User Session Management:</p> <ul style="list-style-type: none"> <li>▪ HTTP/HTTPS login page</li> <li>▪ Multiple logins with one single account</li> <li>▪ Session idle timer</li> <li>▪ Single sign-on with Windows NT domain</li> <li>▪ Firewall Policy</li> <li>▪ Specific Route Policy</li> <li>▪ Schedule Policy</li> <li>▪ QoS Policy</li> </ul> <p>Walled Garden (free surfing zone), Domain Filtering</p> <p>MAC Address Pass-Through and IP Address Pass-Through, MAC Access Control List</p> <p>User Black List</p> <p>MAC address and user identity binding for local user authentication</p> <p>Assign local user to Service Zone</p> <p>On-demand User Management:</p> <ul style="list-style-type: none"> <li>▪ 10 Billing Plans with price information in each billing plan</li> <li>▪ 3 Types of Billing Plan: Time Volume, Traffic Volume and Cut-off Time</li> <li>▪ Customizable background image for the customization of On-demand account ticket/receipt</li> </ul> <p>Support for external payment gateway (PayPal) for automating the payment and account creation.</p> |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| <b>System Management</b>                            | <p>Web-based management UI</p> <p>Customizable login and logout portal page</p> <p>Https remote management</p> <p>3 Levels of Management Accounts (Admin, Manager &amp; Operator)</p> <p>SNMPv2</p> <p>Remote firmware upgrade</p> <p>NTP time synchronization</p> <p>Console management interface support</p> <p>Backup and restore of system configuration</p>  |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| <b>Capacity and Performance</b>                     | <table border="0"> <tr><td>Concurrent Users</td><td>120</td></tr> <tr><td>Local Accounts</td><td>500</td></tr> <tr><td>On-demand User Accounts</td><td>500</td></tr> <tr><td>Managed Access Points</td><td>12</td></tr> <tr><td>Monitored IP-based network devices</td><td>40</td></tr> <tr><td>MAC Address Pass-Through</td><td>100</td></tr> <tr><td>IP Address Pass-Through</td><td>100</td></tr> <tr><td>Easy Web-based IPSec/PPTP Tunnels for Local Clients</td><td>120</td></tr> <tr><td>Easy Web-based PPTP Tunnels for Remote Clients</td><td>10</td></tr> <tr><td>IPSec VPN Tunnels (Site to Site)</td><td>10</td></tr> <tr><td>Throughput with VPN/without VPN</td><td>30 Mbps/90 Mbps</td></tr> </table>   | Concurrent Users | 120 | Local Accounts | 500 | On-demand User Accounts | 500 | Managed Access Points | 12 | Monitored IP-based network devices | 40 | MAC Address Pass-Through | 100 | IP Address Pass-Through | 100 | Easy Web-based IPSec/PPTP 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 |
| Concurrent Users                                    | 120   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| Local Accounts                                      | 500   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| On-demand User Accounts                             | 500   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| Managed Access Points                               | 12  |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| Monitored IP-based network devices                  | 40  |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| MAC Address Pass-Through                            | 100   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| IP Address Pass-Through                             | 100   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| Easy Web-based IPSec/PPTP 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   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |
| <b>Hardware Specifications</b>                      | <p>Form Factor: Mini-desktop</p> <p>Dimensions (W x D x H): 300 mm x 156 mm x 45 mm</p> <p>Weight: 1.4 Kg</p> <p>Operating Temperature: 0 ~ 45 °C, Storage Temperature: 0 ~ 65 °C</p> <p>Power: 110 ~ 220 VAC, 50/60 Hz</p> <p>Ethernet Interfaces: 6 x Fast Ethernet (10/100 Mbps)</p>   |                  |     |                |     |                         |     |                       |    |                                    |    |                          |     |                         |     |   |     |  |    |                                  |    |                                 |                 |



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|                               |   |
|-------------------------------|---|
| <b>Connectors and Display</b> | WAN Ports: 2 x 10BASE-T/100BASE-TX RJ-45<br>LAN Ports: 4 x 10BASE-T/100BASE-TX RJ-45<br>Console Port: 1 x RS-232 DB9<br>LED Indicators: 1 x Power, 1 x Status, 2 x WAN, 4 x LAN |
| <b>Certifications</b>         | CE, FCC, VCCI & RoHS  |

| <b>Ordering Information</b> |  |
|-----------------------------|--|
| <b>Model Name</b>           | <b>Description</b>   |
| 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) |