

24online SMS 1000i



24online acts as an access gateway as well as provides complete billing and bandwidth management solution. By allowing authenticated users and avoiding malicious traffic from the network, 24online ensures complete security in any environment, including DHCP and Wi-Fi. 24online's comprehensive framework with built-in RADIUS AAA server, provides the most advanced and complete authorization, authentication and accounting solution based on IP address and MAC address as well as accounting system totally synchrony with the packages offered.

This appliance from the 24online stack, 24online SMS 1000i is capable of delivering real-time billing and bandwidth solution to small and medium enterprises through unique features and facilities embedded in it. Billing options include prepaid/postpaid with data management and bandwidth management as well as multi-link manager, all in single platform.

Integrated with high availability feature 24online SMS 1000i also protects from hardware failure and data loss to reduce downtime and flow uninterrupted service. Majority of large corporations, educational institutes, government organizations, Internet service providers, hoteliers etc, are served by SMS 1000i from unauthorized use or access to internet.

Comprehensive Billing & Bandwidth Management for Small and Medium Enterprises

Features	Description	Benefits
RADIUS	<ul style="list-style-type: none"> • AAA (Authorization, Authentication, Accounting) 	<ul style="list-style-type: none"> • Embedded with RADIUS • Dedicated lease-line subscriber support • Subscriber portal redirection
Billing	<ul style="list-style-type: none"> • Pulse Based Rating • Invoice Facility • Discounts 	<ul style="list-style-type: none"> • Accurate billing with minute pulse based rating • End-to-end ordering cycle • Time of the day and day of the week
Bandwidth Management	<ul style="list-style-type: none"> • Committed and burstable bandwidth by pools, packages & users 	<ul style="list-style-type: none"> • Restricts high consumption and network congestion of bandwidth
User Management	<ul style="list-style-type: none"> • Systematic options for active users • User profile management • User subscription and deactivation • Allowing specified login 	<ul style="list-style-type: none"> • Avoids revenue leakage • High scalability with reduced error incidence • Ease of use with complete customer satisfaction • Saves time and expense
*Franchisee Management	<ul style="list-style-type: none"> • Generate and manage franchisees • Single user access for franchisee service as administrator • Generate detailed system MIS reports 	<ul style="list-style-type: none"> • Systematic franchisee management operations • Maintenance of service levels • Management and reporting options
*PIN Management	<ul style="list-style-type: none"> • Create pre-paid coupons • Allows real-time package selection • Generates MIS reports 	<ul style="list-style-type: none"> • Simple and smooth options to use. • Allows immediate access • Instant reach to meet the current market reach
*Payment Tracking	<ul style="list-style-type: none"> • Accounting feature to manage customer payment details • Receive online payments • Easy options to feed in details of customers received from different modes (cash, cheque, credit card etc.) • Customer-wise, user-wise and package-wise revenue and customer credit reports 	<ul style="list-style-type: none"> • Add, edit, manage customer payment details • Payment options from different modes • Generate variety of payment reports.
*Multi-link Manager	<ul style="list-style-type: none"> • Security over multiple ISP links using a single appliance. • Load balance traffic based on weighted round robin distribution. • Link failover automatically shifts traffic from a failed link to a working link. 	<ul style="list-style-type: none"> • Restricts high consumption of bandwidth and network congestion • Optimum use of low cost links • Ensure continual quality service for premium service
*Reporting	<ul style="list-style-type: none"> • Complete reporting suite available in the appliance • Reporting by username, invoice, package etc. 	<ul style="list-style-type: none"> • Provide qualitative service as well as avoid malicious attacks • Generate tabular, graphical, printable and CSV reports

Note - For availing features marked with *, additional modules of 24online need to be registered.

Specification

Interfaces

10/100 Ethernet Ports	-
10/100/1000 GBE Ports	10
Configurable Internal/HA/WAN Ports	Yes
Console Ports (RJ45)	1
SFP (Mini GBIC) Ports	2
COM Ports	-
USB Ports	2

System Performance*

Concurrent Sessions	750,000
New Sessions/second	25,000
Data throughput (Mbps)	3.5 Gbps
168-bit Triple-DES/AES throughput (Mbps)	400/450

Dimensions

H x W x D (inches)	3.46 x 16.7x 20.9
H x W x D (cms)	8.8 x 42.4 x 53.1
Weight	15.2 kg, 33.51 lbs

Power

Input Voltage	90 - 264 VAC
Consumption	210W
Total Heat Dissipation (BTU)	718

Environmental

Operating Temperature	0 to 40 °C
Storage Temperature	-20 to 80 °C
Relative Humidity (Non Condensing)	10 to 90 %
Cooling System – Fans	7

Bandwidth Management

Customer based bandwidth management	Yes
Guaranteed & burstable bandwidth policy	Yes
Multi VAN bandwidth reporting	Yes

User and Package Based Console

Access time restriction	Yes
Time Quota restriction	Yes
Schedule based committed and burstable bandwidth	Yes
Data Quota restriction	Yes

Networking

Multiple link auto failover	Yes
WRR based load balancing	Yes
Policy routing based on application and user	Yes
DDNS/PPPoE client	Yes
VLAN Tagging support	Yes

High Availability

Active-Passive	Yes
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Administration

Role-based administration	Yes
Multiple administrators and user levels	Yes
Upgrades & changes via Web UI	Yes

System Management

Web UI (HTTPS)	Yes
Command line interface (Serial, Telnet)	Yes

User Authentication

Local and remote database	Yes
External RADIUS database integration	Yes
MAC based authentication	Yes

Logging/Monitoring

Internal HDD	Yes
Graphical real-time and historical monitoring	Yes
Email notification of reports, subscriber management activities	Yes

Third Party Integration

PMS	Yes
Payment Gateway	Yes
Web Services	Yes

On-Application Reporting

Data transfer reporting (By user, package & IP address)	Yes
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Compliance

CE	Yes
FCC	Yes

Corporate Office

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