



INFO TECHNOLOGIES PRIVATE LIMITED



WI-FI MANAGED SOLUTION FOR EDUCATIONAL INSTITUTIONS

2000+ Happy Clients

250+ Channel Partners

20+ Years of Experience

Presence in **80+** Countries

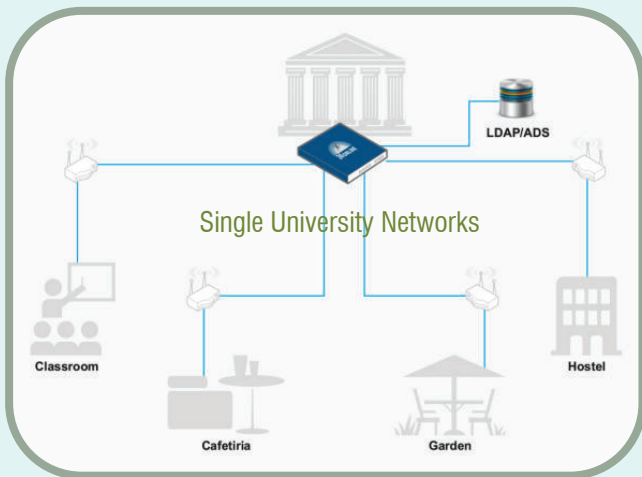
5.5 Million Subscribers Globally

🌐 www.24onlinebilling.com

Overview

24online, has been developed and engineered to cater the advanced needs of different types of hotspots all over the globe. 24online hotspot solution offers swift and cost effective hotspot roll-out with full control over network access, dynamic internet plans and advanced services like wireless internet. 24online very well understands necessities and challenges of the current hotspots segments where multiple vendor support becomes difficult task for single as well as multiple hotspots. 24online brings the complete range of solution which supports varied network platforms like Wired & Wi-Fi for single and multiple location support. 24online Hotspot Solution is an ideal solution for cafes, restaurants, university campuses, hostels, public libraries, small offices & airports.

Key Benefits



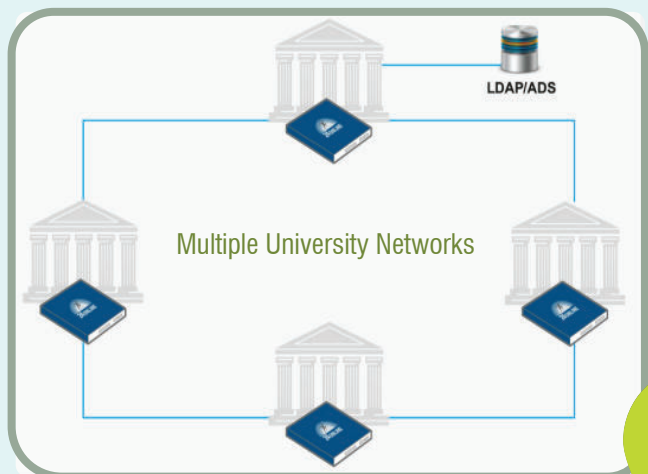
Solution Deployments

Standalone/Local Area Network

24online helps Institutes to establish and manage a complete, standalone wi-fi offering with access control and user group format. Universities can launch a local area, multiple networks by deploying 24online access points at each floor, or at frequent distanced intervals with a centralized 24online AAA/RADIUS server at the same location.

Multiple Networks

24online Solution provides an easy way to establish a multi location network anywhere in the campus through a centralized 24online server which handles AAA requests and maintains a central user database or third party data base. The centralized server controls the distributed 24online access controllers, allowing providers to have a widely distributed network across campus



Features

Access Control

Inbuilt RADIUS server

- PAP/CHAP Support
- Offers Inbuilt Database
- Supports Oracle Database

Authentication

- Login Through Web Based PPPOE, Leased Line(Auto Login)
- AD / LDAP Authentication
- Voucher(Coupon) Based Authentication
- Corporate Based Authentication
- Device Based on Username & Password
- Mac Based Auto Login Interoperability
- Social Media Based Login
- SMS OTP Based Login

Authorization

- Based on MAC and IP address
- Re-Authorization Functionality
- MAC Based Auto login
- AD Group Based Authorization- Student/Professor/Sr. Management

Accounting

- On Hours, Days, Data Transfer

Bandwidth Management

- Tiered Bandwidth Management
- Committed and Burstable Bandwidth
- Individual and Shared Bandwidth Quota
- Bandwidth Scheduling & Fair Usage Policy
- Restrict Users Based on Data and Bandwidth

User Management

- User Life Cycle Management
- Account ID Based User Credentials
- Create | Activate | Suspend | Renew | Archive Users
- User Management Based Reports
- Students | Staff - My Account
- Demographic Field Support
- Hierarchical Login Limit for Concurrency at Different Level

Package Management

- Group Wise Package Creation Option
- Limited & Unlimited package Option
- Complimentary & Purchase package option
- Facilitates Topup for Prepaid Plans

Internet Billing

- Data Billing
- Peak & Off-peak Billing
- Pulse Based Rating
- Pre-paid & Post-paid Billing
- Customizable Multi-service Invoice Template
- Tax, Ancillary & Discount Facility

Multi-Location Institute

- Create Multiple Networks in System
- Create Single & Multiple Network Admin
- Location Based: Package | Vouchers | MIS Reports
- Location Based Payment Tracking

Coupon Management*

- Branding & Customizable Coupon Templates
- Facilitates Online Coupon Purchase
- Instant Coupon generation In Printable Formats
- Pin Aging - Coupons with Expiry Date
- System Generated Username & Passwords
- In-built Ezprint Printer Configuration

Ez Printer

- Support 3rd Party Thermal Printer Integration
- One Time Multiple Coupons can be Print
- Communication Interface TCP/IP

Captive Portal Capabilities

- Create Customizable Login Pages-HTTP Enabled
- Device Based Login Pages - Mobile/Laptop
- BYOD Support
- User Self Registration
- Promotions and Branding Options
- Video AD Scheduling**
- SSL Based Secured Captive portal
- SSID(DHCP Option 82) Based Captive Portal
- QR based authentication
- Centralized captive portal
- Time-based captive portal

Multiple Gateway Load Balancing*

- Supports Multiple ISP Links
- Weight Based Round Robin Traffic Balancing
- High Connectivity Even During Peak Hours
- Immediate Failure Detection
- Intelligently Redirect Traffic to Active Gateways

Active Directory/LDAP/Azure AD Integration

- Authentication type (ADS / LDAP)
- Multiple CN Search
- Group wise different package mapping
- User Life Cycle Management
- Hierarchical Login Limit to Concurrency at different level

System Management

- Seamless Roaming (Wired to Wireless)
- IP Pool Management
- Reservation for IP Management
- Syslog Configurations
- DHCP & DNS*
- SmartNAT
- SNAT Management*
- Diagnostic Tools
- Basic Firewall System
- Walled Garden
- Swift User Migration Facility
- Data Backup and Restore
- Factory Reset
- Network Management Options
- Secured Console Access- ACL Based
- Deployment Modes- Access Gateway | AAA | Standalone

Attractive & User Friendly Admin Interface

- Rich Look and Feel of Admin GUI
- Multi-lingual GUI Option
- Frequently Used Options
- Demographic Field Option
- Comprehensive Dashboard Format
- Easy Control & Configuration Options

Administration

- Role Based Multiple Level Administration
- Easy Option for Network Troubleshooting
- Change Password Options
- Multi-functionality Dashboard Facility
- Ease of Admin Interface
- Quick Configuration Options
- Mail-alert on Login Failure Events

Reporting

- Admin GUI Usage Log - Audit Reports*
- NetKapture* | Weblogger* | Syslog Integration
- Reports in CSV/Printable/Graphical/PDF
- MIS & BI Reports

Payment Gateway*

- Integrated with Major Secured Payment Gateways
- Facilitates Online Payment Receivables
- Flexible to Integrate with any Payment Gateway
- Integrated with 24online Payment Tracking

Alert Management

Email Based Alerts

- Event Based Customizable Email Templates
- Schedule Alerts for Renewal/Package Expiry
- Alert Users on In-correct Login/Failure
- Complete Email Logs

SMS Based Alerts*

- Click-n-configure SMS Gateway
- Integrated with 20+ SMS Gateways
- Manage, Try and Create Facility
- Facilitates Different Message Templates
- Send Message at Different Events - Register/Renew/Login/Logout etc
- Offers Complete Log of SMS Sent
- SMPP Support
- Whatsapp Notification

Pop-up Window for Live Users

- Alert Users in-case of login/logout/package expiry date
- Pop-up live message for network or technical problems
- Bill payment and promotional message

Web Filtering**

- Web Categories : Default (37+)
- Block Domains and Ports
- Protocols Supported: HTTP, HTTPS
- Block Malware, Adult Sites
- Custom Denied Message Per Web Category



*Add-on Modules

**New Features

24online Integrated with AD / LDAP



- Authentication type (ADS / LDAP)
- Multiple cn Search
- Group wise different package mapping
- User Life Cycle Management
- Hierarchical Login Limit to Concurrency at different level.

24online Introduces Web Filtering



- Web Categories : Default (37+)
- Block Domains and Ports
- Protocols supported: HTTP, HTTPS
- Block Gaming, Malware, Adult web sites
- Custom Denied Message in any Web Category
- Safe Search Enforcement for Bing

24Online Centralized Management Console

MANAGEMENT CONSOLE

DASHBOARD

USER PROFILE

LOCATION LIST

ADD LOCATION

CSV DOWNLOAD

Log out

MANAGE LOCATION

Status	IP Address	Location	Username	Lastcheck	Edit	Delete
Active	103.149.94.162	Tungi	administrator	10-12-22 16:25:01	Edit	Delete
Active	103.255.8.6	KGarh Kappa P	administrator	10-12-22 16:25:01	Edit	Delete
Active	103.104.129.37	Netrang Sparkline P	administrator	10-12-22 16:25:01	Edit	Delete
Active	136.232.178.230	Naldhera	administrator	10-12-22 16:25:01	Edit	Delete
Active	136.232.217.74	Puduchery	administrator	10-12-22 16:25:01	Edit	Delete
Active	103.97.92.26	Assonora Ethernet P	administrator	10-12-22 16:25:01	Edit	Delete
Active	45.116.2.102	Verca Ethernet P	administrator	10-12-22 16:25:02	Edit	Delete

MANAGEMENT CONSOLE

DASHBOARD

USER PROFILE

LOCATION LIST

ADD LOCATION

SYSTEM STATUS

Dashboard

Active Status Statistics

Last Check Performance

45 Location Active

Last Check 5 Minutes Ago

Inactive Status Statistics

Last Check Performance

2 Location inactive

Last Check 5 Minutes Ago

Firewall Configuration

- Unauthorized Access Prevention
- Protection Against DoS Attacks
- Rule-based Policy Configuration Options, Such as Accept, Drop, Bypass, and Port Forwarding.

● 3rd Party Integration

24online RADIUS is well integrated with major 3rd party BRAS/ BNG/DPI/Access Gateway /NAS as well as 3rd party WI-FI Access Point/Wireless Controller.

● BRAS/ BNG/DPI Access Gateway/NAS



● WI-FI Access Point / Wireless Controller



● SMS Gateway Integrations



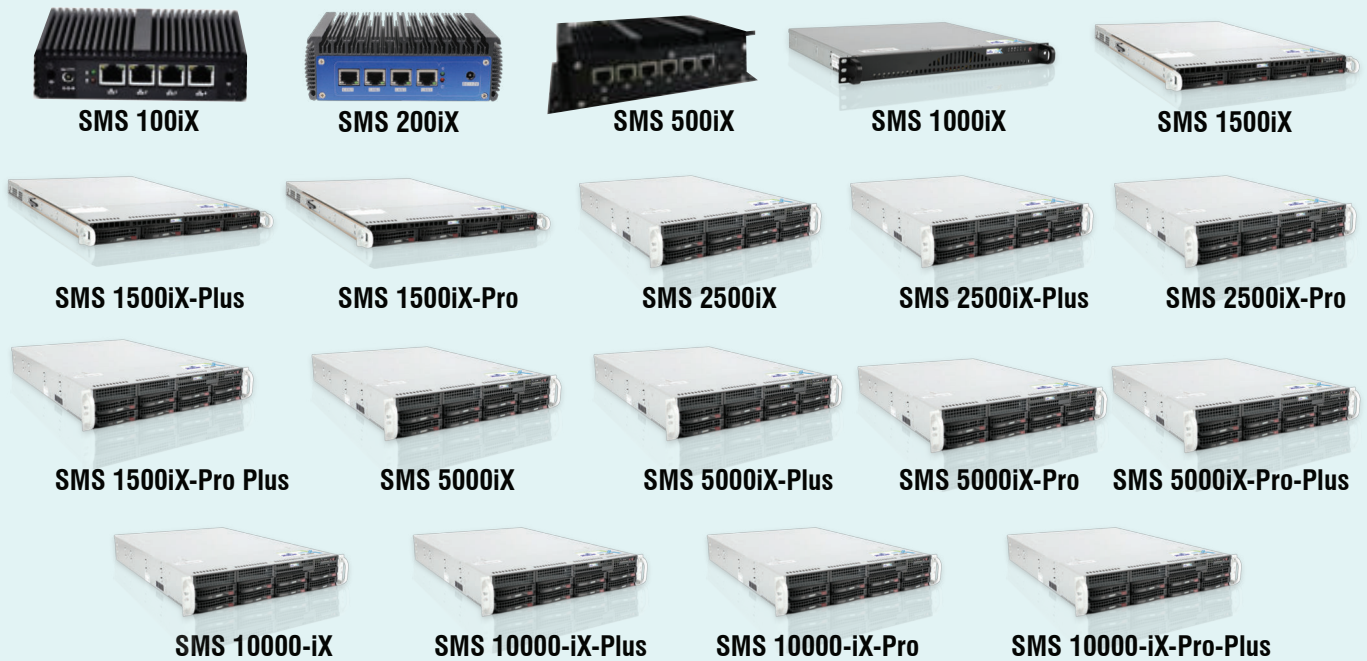
● Payment Gateway Integrations



📍 Future Road Map



SMS Series



Sr. No	Server Name	Max Data Throughput (Standalone-Mbps)	Max Data Throughput (NAS Mode-Mbps)	Max Concurrent Users (Standalone-No.)	Max Concurrent Users (NAS-No.)	Max Concurrent Users (RADIUS-No.)
1	100iX	250	300	150	200	1000
2	200iX	350	400	300	350	1500
3	500iX	500	600	600	700	2000
4	1000iX	800	900	1000	1200	5000
5	1500iX	1000	1200	1500	1800	8000
6	1500iX-Plus	1200	1400	1500	1800	9000
7	1500iX-Pro	1500	1700	1500	1800	10000
8	2500iX	2000	2200	2500	2700	15000
9	2500iX-Plus	3000	3200	2500	2700	20000
10	2500iX-Pro	3500	3500	3000	3300	25000
11	2500iX-Pro-Plus	3500	3800	4000	4500	28000
12	5000iX	4000	4500	5000	5500	32000
13	5000iX-Plus	4500	4500	6000	6500	36000
14	5000iX-Pro	4500	4800	7000	7300	38000
15	5000iX-Pro-Plus	5500	5800	8500	9000	45000
16	10000-iX	7000	7500	10000	12000	55000
17	10000iX-Plus	9000	9000	11000	11500	65000
18	10000iX-Pro	9000	9000	12000	13000	65000
19	10000ix-Pro-Plus	10000	10000	15000	18000	80000

◆ Clientele



24ONLINE™

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About 24online

24online is a leading internet access management and network management solution that offers wide range of internet access control and management solutions that enables ISPs, Hotels, Hotspots, Airports, Educational Institutes, smart cities etc. To simplify their internet network. 24online addresses the challenges of customer acquisition, secured service provisioning, internet billing, monetization via internet services and revenue management. The solution has vast experience in catering to varied network like wired, wi-fi, cloud, VAST and LTE. With more than a decade of experience, we offer the world class solutions in the most cost-effective way.

