



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

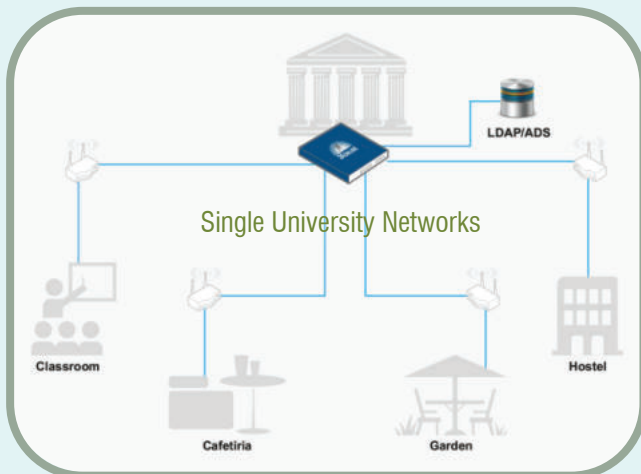
**5.5 Million** Subscribers Globally

🌐 [www.24onlinebilling.com](http://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 neccessities 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 supportvaried network platforms like Wired & Wi-Fi for single and multiple location support. 24online Hotspot Solution is an ideal solution for cafes, resturants, university campuses, hostels, public libraries, small offices & airports.

### Key Benefits



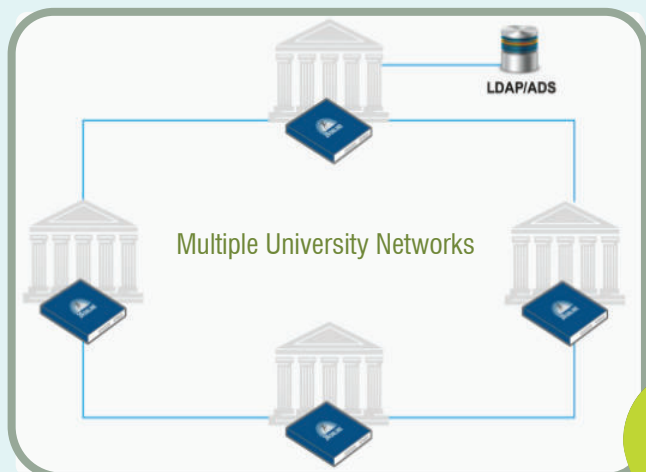
### Multiple Networks

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

## 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.



## 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
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## 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		MANAGE LOCATION							Log out
	DASHBOARD	Status	IP Address	Location	Username	Lastcheck	Edit	Delete	
	USER PROFILE	Active	103.149.94.162	Tungi	administrator	10-12-22 16:25:01	<a href="#">Edit</a>	<a href="#">Delete</a>	
	LOCATION LIST	Active	103.255.8.6	KGarh Kappa P	administrator	10-12-22 16:25:01	<a href="#">Edit</a>	<a href="#">Delete</a>	
	ADD LOCATION	Active	103.104.129.37	Netrang Sparkline P	administrator	10-12-22 16:25:01	<a href="#">Edit</a>	<a href="#">Delete</a>	
	CSV DOWNLOAD	Active	136.232.178.230	Naldhera	administrator	10-12-22 16:25:01	<a href="#">Edit</a>	<a href="#">Delete</a>	
		Active	136.232.217.74	Puduchery	administrator	10-12-22 16:25:01	<a href="#">Edit</a>	<a href="#">Delete</a>	
		Active	103.97.92.26	Assonora Ethernet P	administrator	10-12-22 16:25:01	<a href="#">Edit</a>	<a href="#">Delete</a>	
		Active	45.116.2.102	Verca Ethernet P	administrator	10-12-22 16:25:02	<a href="#">Edit</a>	<a href="#">Delete</a>	

MANAGEMENT CONSOLE		Dashboard	
	DASHBOARD	<b>Active Status Statistics</b> Last Check Performance <b>45</b> Location Active Last Check 5 Minutes Ago	
	USER PROFILE	<b>Inactive Status Statistics</b> Last Check Performance <b>2</b> Location Inactive Last Check 5 Minutes Ago	
	LOCATION LIST		
	ADD LOCATION		
	SYSTEM STATUS		



Welcome, administrator
 





Control Splasher
 

Property Management  
 Guests Details  
 Package Configuration  
 Pin Management  
 System Configuration  
 Alert Management  
 Web Surfing Logger  
 Reports  
 Help

Version 1.3.0 build 0.0

Currently Connected Guests
 Manage Walkin Pins
 Checked In Guest Details

Currently Checked-In Customer Criteria
 Room No.
 Registration No.
 Guest Name
 Check-In Date Between
 Departure Date Between
 Search

- Attractive Dashboard
- 24online Console Stores All
- Login to All 24online Servers with Administrative Access can be Done by Single Click
- All 24online Servers can be Managed and Customized through Single Control

## ● 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



NOKIA



ZTE中兴

MikroTik

allot  
See. Control. Secure.

### ● WI-FI Access Point /Wireless Controller



aruba  
NETWORKS



ALTAI  
Super WiFi

UBIQUITI  
NETWORKS

## 📍 Future Road Map

NAC & BYOD

1

3

APPLICATION  
WISE FILTER  
& BAND  
MGMT.

2

VIRTUAL  
PRIVATE  
NETWORK

SOFTWARE  
DEFINED WAN

7

NETWORK  
DLP

SINGLE  
SIGN ON

4

LAWFUL  
INTERCEPTION

8

DEEP  
PACKET  
INSPECTION

6

INTRUSION  
PREVENTION  
SYSTEM

9

## SMS Series



**SMS 100iX**



**SMS 200iX**



**SMS 500iX**



**SMS 1000iX**



**SMS 1500iX**



**SMS 2500iX**



**SMS 5000iX**



**SMS 10000iX**



**SMS 10000iX Pro**

Sr. No	Hardware Model	Data Throughput (Standalone-Mbps)	Data Throughput (NAS Mode-Mbps)	Concurrent Users (Standalone-No.)	Concurrent Users (NAS-No.)	Concurrent Users (RADIUS-No.)
1	100iX	250-300	350-400	100-150	200-250	350-400
2	200iX	400-450	500-550	200-250	300-350	450-500
3	500iX	500-550	600-700	500-550	600-650	1000-1100
4	1000iX	900-1200	1500	1000-1200	1500	3000
5	1500iX	1500-2000	2000-2500	1500-2000	1800-2200	8000
6	2500iX	3500-4000	4000-4500	2500-3000	3000-3500	15000
7	5000iX	5000-5500	6000-6500	5000-5500	5500-6000	30000
8	10000iX	6000	7000	10000-11000	11000-12000	45000-50000
9	10000iX Pro	10000	12000	30000	35000	70000

## Market Segments





# Clientele



**INFO TECHNOLOGIES PRIVATE LIMITED**

## Corporate Office

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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.

