24 ONLINE ™

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 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 supportsvaried 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

Easy-to-Setup
One can easily setup and configure the system with minimal effort.

Plug-n-Play Solution
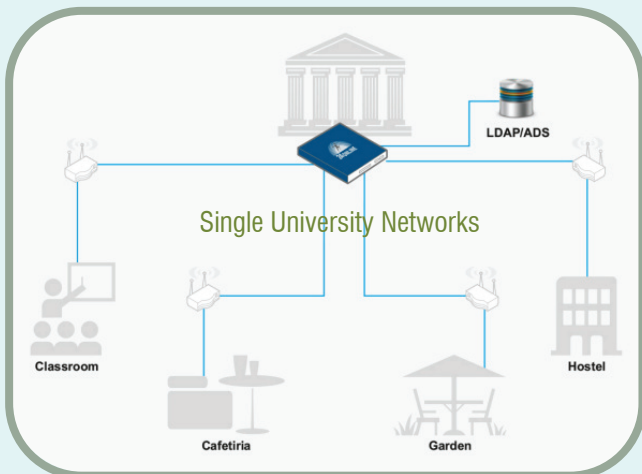Enabling customer to setup and configure the system near zero days.

Smooth Operations
Simplifies and reduces operation costs to increase ROI by ensuring smooth operations in multiple franchisee scenario

Customer Experience
Rational distribution of bandwidth, protection from flooding attacks minimizing downtime ensuring higher service quality.

User Friendly GUI
24online graphical interface makes it easy to use both for service providers and subscribers.

Single University Networks

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.
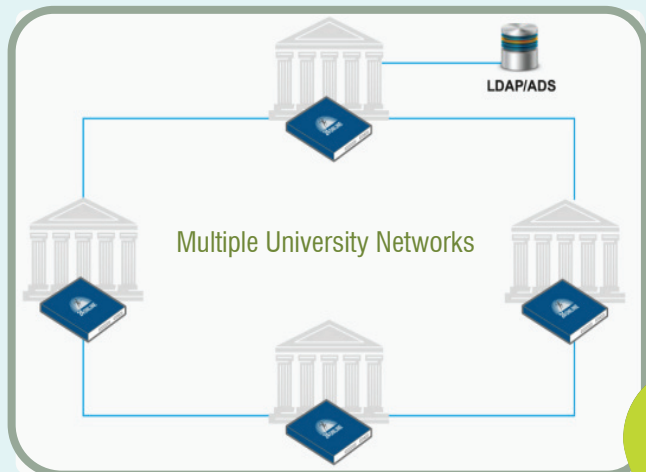
Multiple Networks

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 distribu ted 24online access controllers, allowing providers to have a widely distributed network across campus

Multiple University Networks

Features

Access Control

Inbuilt RADIUS server

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

Authetication

- 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 Basd 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 Mnagement Based Reports
- Students | Staff - My Account
- Demographic Field Support
- Hierarchical Login Limit for Concurrency at Differnt 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 Onlion 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-funtionality 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 — MANAGE LOCATION

Log out

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

- DASHBOARD
- USER PROFILE
- LOCATION LIST
- ADD LOCATION
- SYSTEM STATUS

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

ClubMahindra

Control Splasher

Welcome, administrator   Splasher   Config   Console   Settings   Log

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

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	To
Departure Date Between	To

Search

Version
3.3.0 build 0.0

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

JUNIPER NETWORKS • HUAWEI • NOKIA • CISCO • ZTE中兴 • MikroTik • allot See. Control. Secure.

WI-FI Access Point / Wireless Controller

RUCKUS WIRELESS • aruba NETWORKS • CISCO Meraki • HUAWEI • Cambium Networks • ALTAI Super WiFi • UBIQUITI NETWORKS

SMS Gateway Integrations

SMS GupShup • mobius software • मोबाइल सेवा Mobile Seva • infobip • bulksms.com • ValueFirst A TWILIO COMPANY

Payment Gateway Integrations

atom payment solutions for every business • SecurePay • ICICI Bank • PayPal • HDFC BANK • TechProcess Payment Services • webpay plus

Future Road Map

1 NAC & BYOD

2 VIRTUAL PRIVATE NETWORK

3 APPLICATION WISE FILTER & BAND MGMT.

4 SINGLE SIGN ON

5 SOFTWARE DEFINED WAN

6 DEEP PACKET INSPECTION

7 NETWORK DLP

8 LAWFUL INTERCEPTION

9 INTRUSION PREVENTION SYSTEM

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

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 and Internet Billing, Monetization via Internet Services and Revenue Management.The Solution has Vast Experiencein 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.