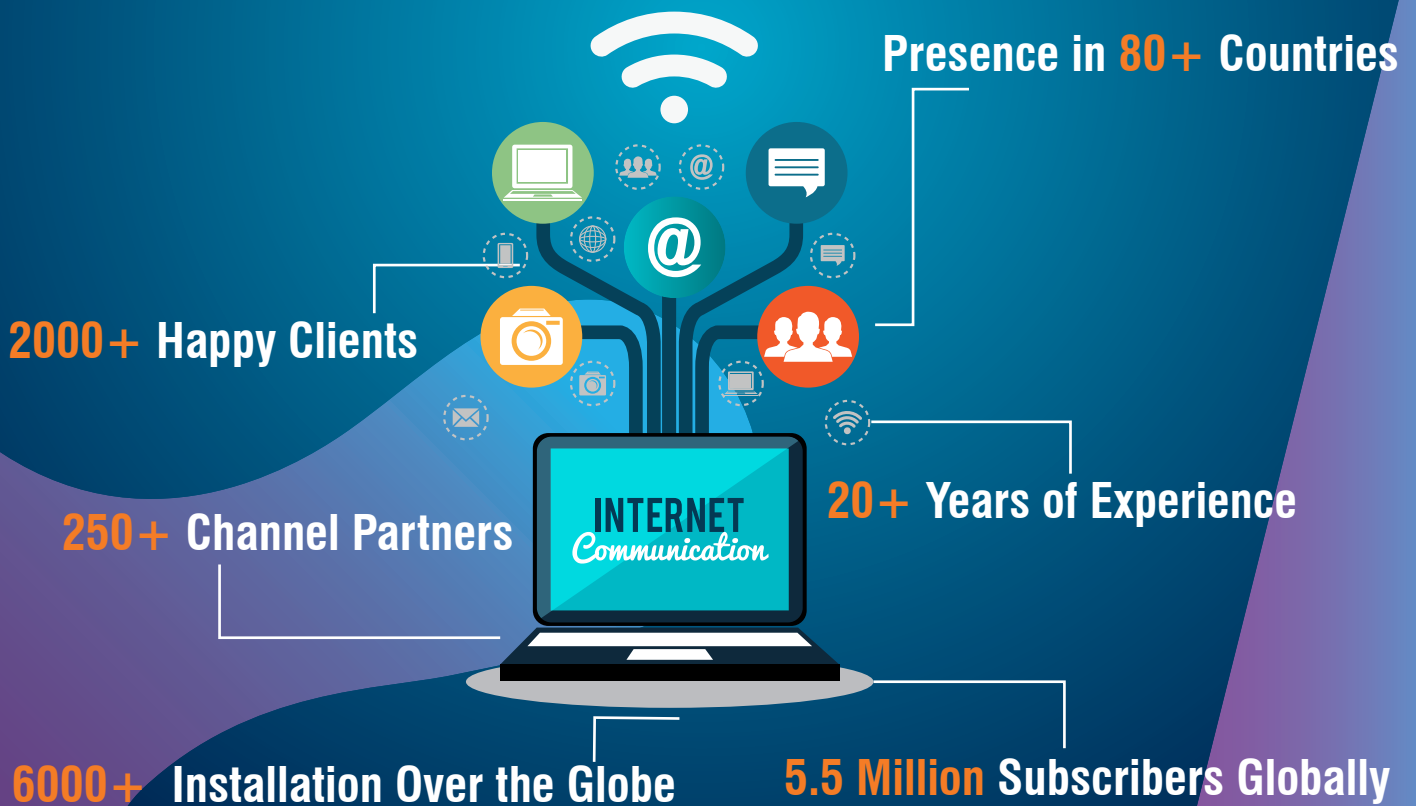




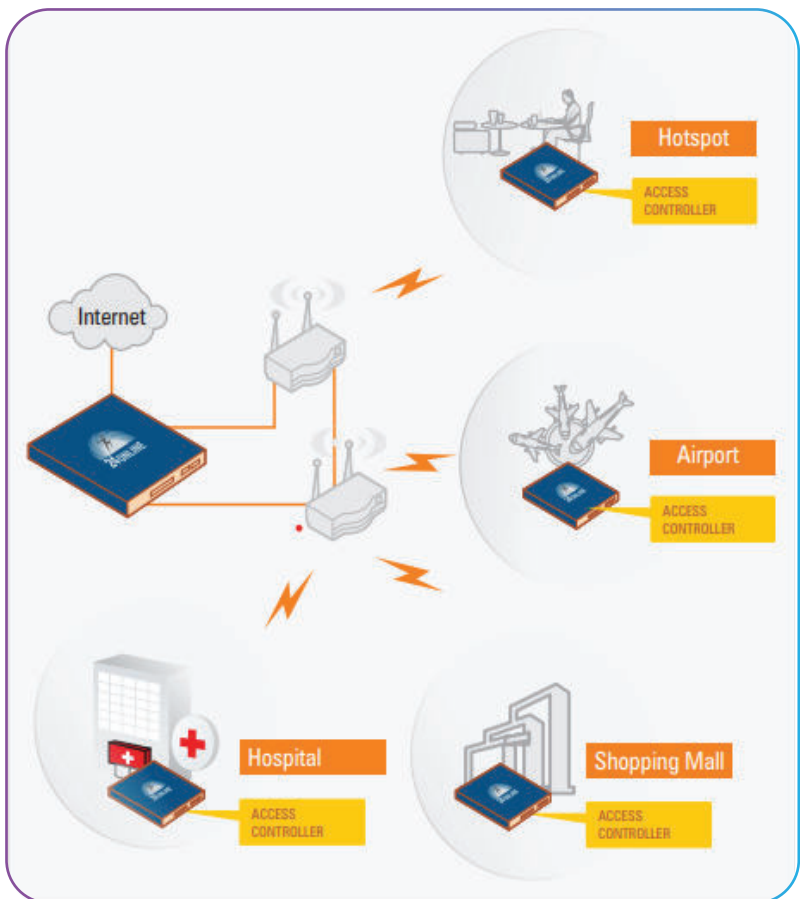
INFO TECHNOLOGIES PRIVATE LIMITED

# WI-FI HOTSPOT SOLUTION FOR SHOPPING MALLS, AIRPORTS & CO-WORKING SPACES



# Overview

24online has been Developed and Engineered to Cater to 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 the Necessities and Challenges of Current Hotspots Segments Where Multiple Vendor Support Becomes a Difficult Task for Single As Well As Multiple Hotspots.24online Brings the Complete Range of Solutions



## Solution Deployments

### Single & Multi-Location hotspot

24online Hotspot Internet Management Solution Offers Highly flexible & Scalable Solution for Single & Chain of hotspots of any size and type.24online offers Centralized Service Control, Bandwidth, Management, Billing, Captive Portal Capabilities Ensuring Secured Network Access. Package Management Facilities Help in Identifying Usage Patterns through Extensive Reports & Customizing Hourly & Days Based Plans Accordingly.

### Single & Multi-Location Airports

24online Billing & Bandwidth Manager Solution for Airports, help you with Comprehensive Bandwidth Shaping, Access Control, Revenue Generation Services etc. All in One for Your Airport. It Ensures Your Network is Accessed by only Authenticated Traffic Using Captive Portal Solution. Deploy & Manage in Single or Multi-airport Locations with Centralized Billing or Bandwidth Management by Any Network like Wi-Fi, Wired, DSL/ADSL etc.

### Single & Multi-Location Shopping Malls

24online Enables Shopping Malls to Provide Regulated Access to Users to the Mall Across the Property. 24online Ensures that the Shopping Mall Network is Available Only for Authenticated Users to Access the Internet and Avoid Malicious Login. 24online Offers the Freedom to Easily Jump from Wi-Fi Network to Wired Network Without Login Using its Login-once Feature.

### Single & Multi-Location Hospitals

24online Offers Highly Flexible & Scalable Solution for Single & Chain of Hospitals in Different Sizes. 24online Offers Centralized Service Control, Bandwidth Management, Billing, Captive Portal Capabilities Ensuring Secured Network Access. Access Management through Customized Mobile Functionalities Helps in Identifying Usage Patterns through Extensive Reports & Customizing Usage



# Features

## Access Management

### Inbuilt RADIUS server

- PAP 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

### 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

- Complete User Life Cycle Management
- Account ID Based User Credentials
- Demographic Field Option
- Create | Activate | Suspend | Renew | Archive Users
- User Management Based Reports
- User My Account

## Package Management

- Prepaid & Postpaid Packages
- Create Hourly and Day Based Plans
- Registration & Renewal Packages
- Facility to Carry-Forward Quota
- Create Complimentary Plans
- Facilitates Topup for Prepaid Plans

## Internet Billing

- Time & Quota Based Billing
- Peak & Off-peak Billing
- Pulse Based Rating
- Pre-paid & Post-paid Billing
- Customizable invoice Template
- Tax & Discount Facility

## Coupon Management\*

- Branding & Customizable Coupon Templates
- Facilitates Onlin Coupon Purchase
- Instant Coupon generation In Printable formats
- Create Package & Zone Wise Coupons
- System generated Username & Passwords
- In-built Ezprint Printer Configuration
- Pin Aging-coupons with Expiry Date

## Ezprint 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
- 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

## System Management

- Seamless Roaming (Wired to Wireless)
- IP Pool Management
- Zero Configuration
- DHCP & DNS
- SmartNAT\*
- SNAT Management\*
- Diagnostic Tools
- Basic Firewall System
- Walled Garden
- Swift User Migration Facility
- Data Backup and Restore
- Factory Reset
- Deployment Modes- Access Gateway |AAA | Standalone
- Syslog Configurations
- Console & Secured Access (SSH)
- IPv4 & IPv6 support
- L2TP VPN Tunneling

## Administration

- Role Based Multiple Level Administration
- (ACL) For Admin GUI & Console
- Change Password Options
- Multi-functionality Dashboard Facility
- Ease of Admin Interface

## Reporting

- Admin GUI Usage Log - Audit Reports\*
- NetKapture\* | Weblogger\* Reports in CSV/Printable/Graphical/PDF
- Diagnostic & System Health Check Tools
- MIS & BI Reports

## Franchise Management

- Create MultipleZones in Network
- Create Single or Multiple Franchise Operators
- Franchise Based:
- Package | Voucher | Invoice | MIS Reports
- Franchise Based Payment Tracking

## Video Advertisement on Captive Portal

- Video AD scheduling for HTTP Traffic While Browsing
- Video AD at the Time of Login/Logout
- All Video Type File Supported
- Random Video Advertisement at the Every Login
- Random Video Advertisement at Every
- 10min on Post Login Page.

## Payment Gateway\*

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

## Third Party Integrations\*

- CRM Integration
- Third Party Access Controller & Authentication System
- Attribute Mapping
- Syslog Integration

## Attractive User Friendly Admin Interface

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

## Alert Management

### Email Based Alerts

- Event Based Customizable Email Templates
- Schedule Alerts for Renewal/Package Expiry

### 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/Renewal/LOGin/Logout etc.
- Offers Complete Log of SMS Sent
- SMPP Support
- WhatsApp notification

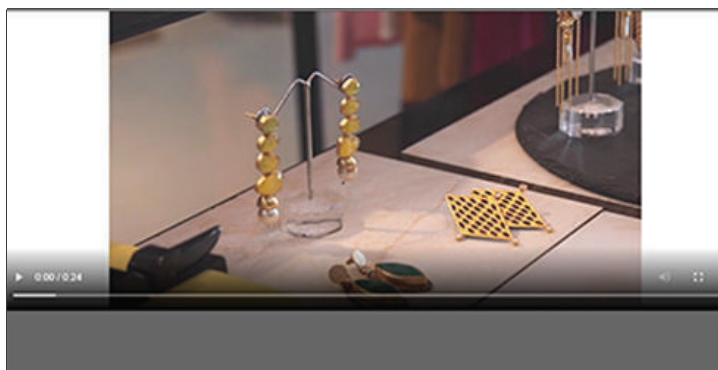
### Pop-up Window for Live Users

- Alert Users in-case of Login/Logout/Package Expiry Date
- Pop-up Live Message for Network or Technical Problems
- Bill Payment and Promotional Message

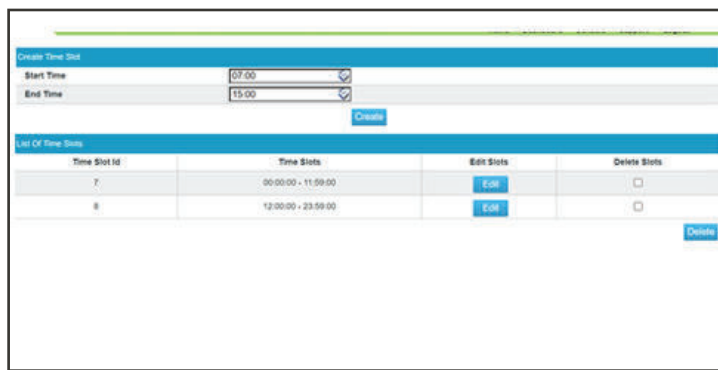


\*Add-on Modules

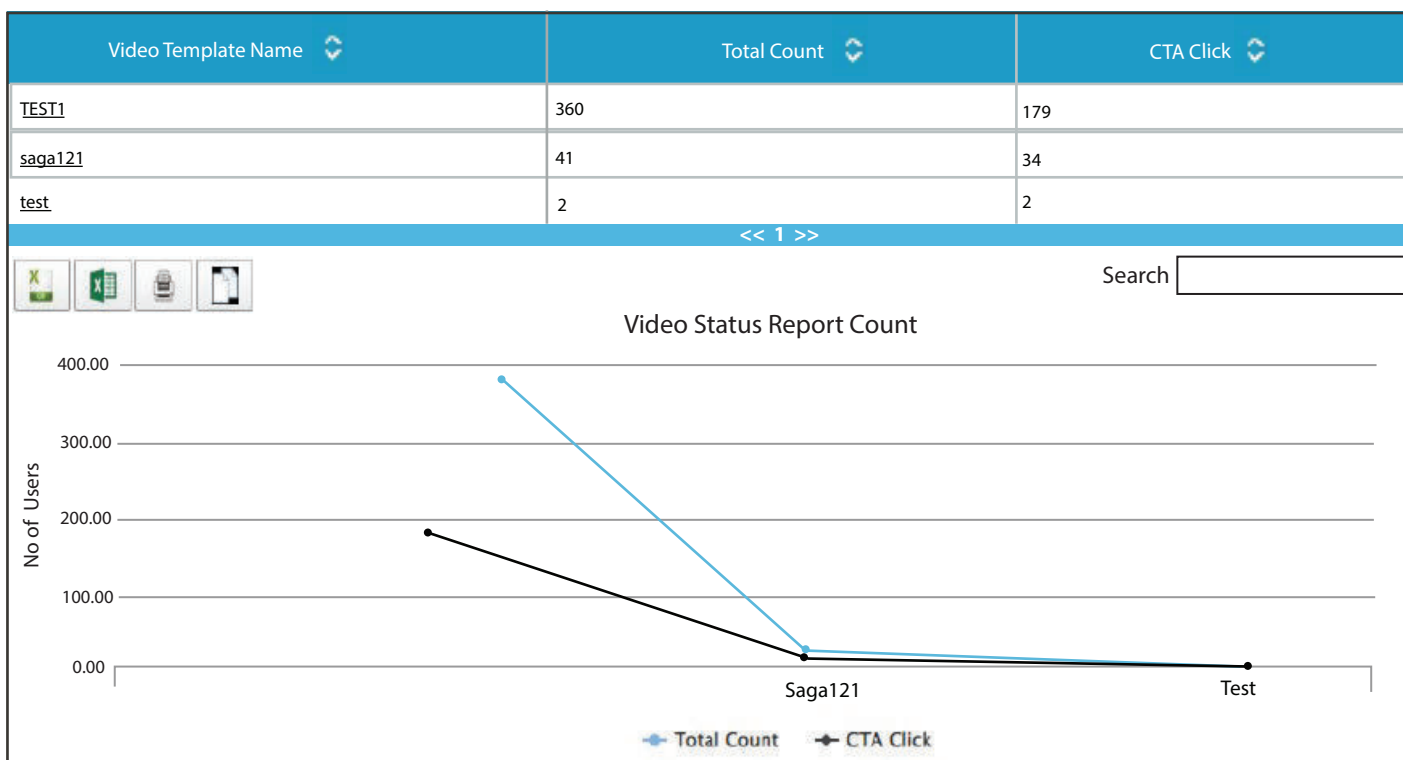
# 24Online Video Advertisement, Scheduling & Monetization



**Video AD Advertisement**



**Video AD Scheduling**



## Video Monetization Report

24online Supports all type of video format for advertisement and video advertisement can be schedule for HTTP traffic while browsing. Guest can be see the video at the of login as well as logout. 24Online also able to push random video advertisement one every login. It also push the video advertisement at every 10 minute on "Post Login Page".



**QR Authentication**

QR can be authenticated in 2 way.(1)QR based coupon, Scan the QR opens a portal where user put the coupon code and start browsing.(2) Integrated With 3rd party QR code database and authenticate the subscriber after scan.





# 24online Centralized Management Console

MANAGEMENT CONSOLE	MANAGE LOCATION	Log out
<ul style="list-style-type: none"> <li>DASHBOARD</li> <li>USER PROFILE</li> <li>LOCATION LIST</li> <li>ADD LOCATION</li> <li>CSV DOWNLOAD</li> </ul>	Status	Edit Delete
	Active	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Delete
	Active	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Delete
	Active	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Delete
	Active	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Delete
	Active	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Delete
	Active	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Delete
	Active	<input checked="" type="checkbox"/> Edit <input type="checkbox"/> Delete

MANAGEMENT CONSOLE	Dashboard
<ul style="list-style-type: none"> <li>DASHBOARD</li> <li>USER PROFILE</li> <li>LOCATION LIST</li> <li>ADD LOCATION</li> <li>SYSTEM STATUS</li> </ul>	<p><b>Active Status Statistics</b></p> <p>Last Check Performance</p> <p><b>45</b> Location Active</p> <p>Last Check 5 Minutes Ago</p>
	<p><b>Inactive Status Statistics</b></p> <p>Last Check Performance</p> <p><b>2</b> Location inactive</p> <p>Last Check 5 Minutes Ago</p>

## Social Media Authentication Support



- Simplified Login with Social Media Account
- Enhanced Security
- Improved User Experience
- Increased User Engagement
- Easy Integration
- Better Data Collection
- Different Packages for Different Social Media Options



# ● 3rd Party Integration

24online RADIUS is well integrated with Mikro Tik & 3rd party NAS/Access Gateway as well as 3rd party WIFI Access Point/Wireless controller.

## ● BRAS/ BNG/DPI Access Gateway/NAS



## ● WI-FI Access Point / Wireless Controller



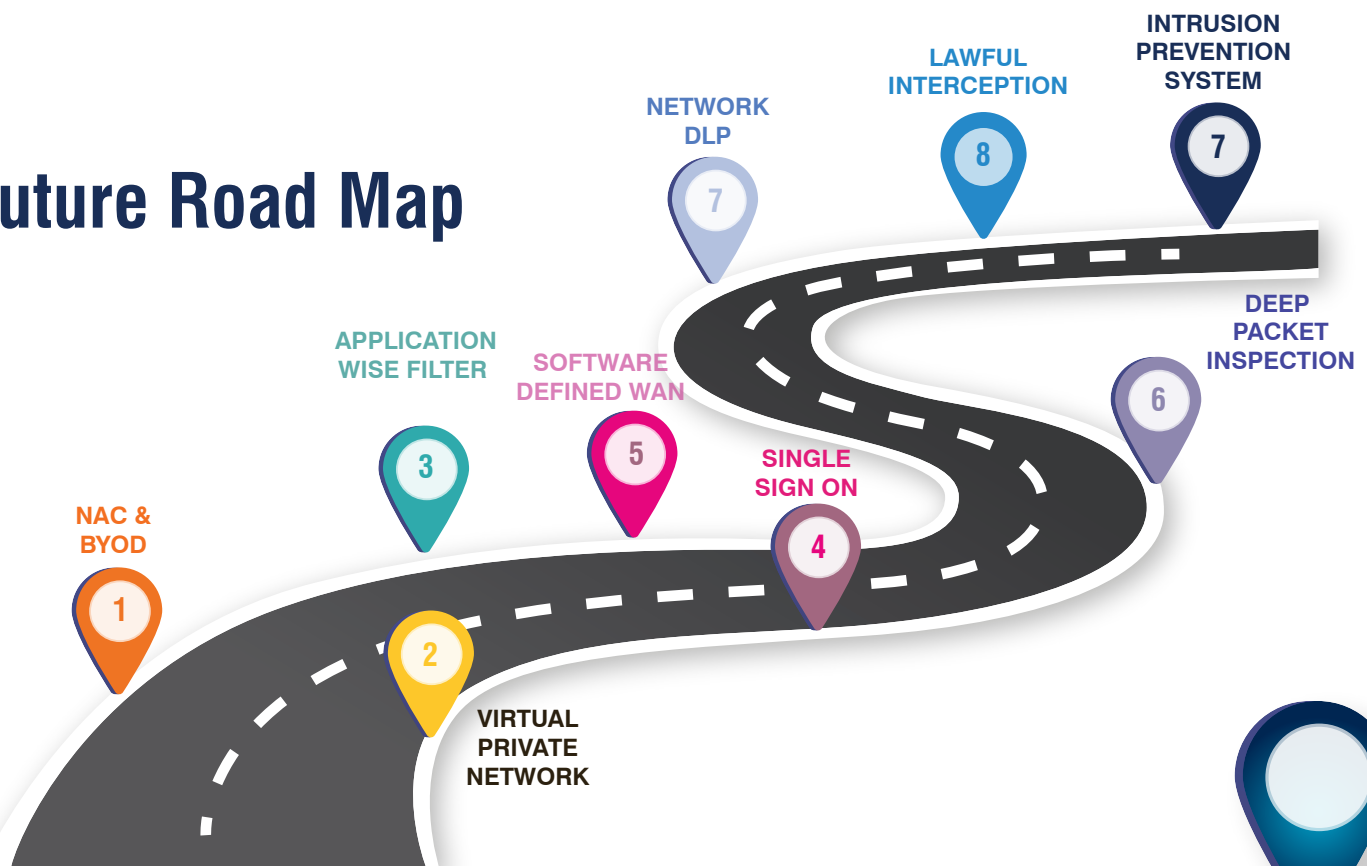
## ● SMS Gateway Integrations



## ● Payment Gateway Integrations



# 📍 Future Road Map



# SMS Series



**SMS 100iX**



**SMS 200iX**



**SMS 500iX**



**SMS 1000iX**



**SMS 1500iX**



**SMS 1500iX-Plus**



**SMS 1500iX-Pro**



**SMS 2500iX**



**SMS 2500iX-Plus**



**SMS 2500iX-Pro**



**SMS 1500iX-Pro Plus**



**SMS 5000iX**



**SMS 5000iX-Plus**



**SMS 5000iX-Pro**



**SMS 5000iX-Pro-Plus**



**SMS 10000-iX**



**SMS 10000-iX-Plus**



**SMS 10000-iX-Pro**



**SMS 10000-iX-Pro-Plus**

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.