24 ONLINE™

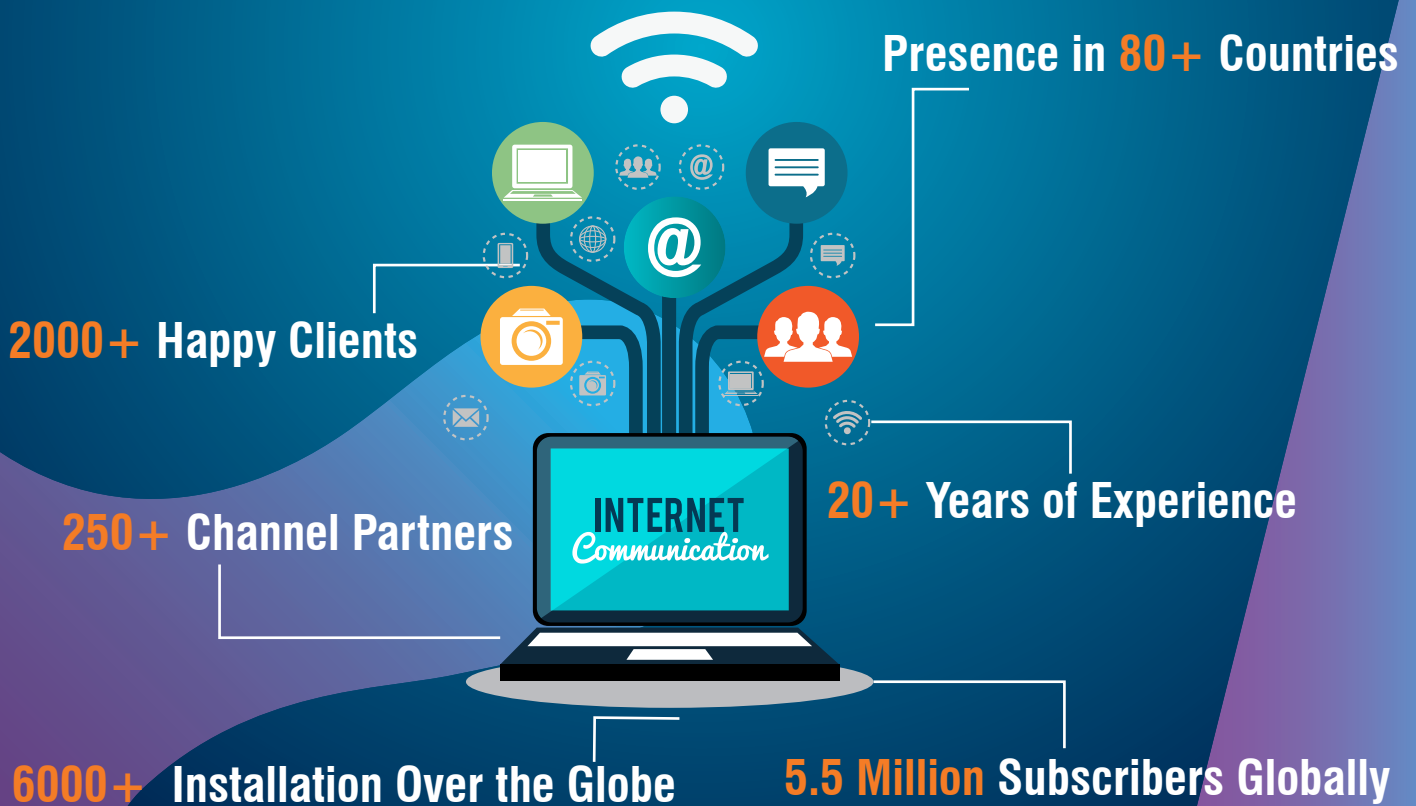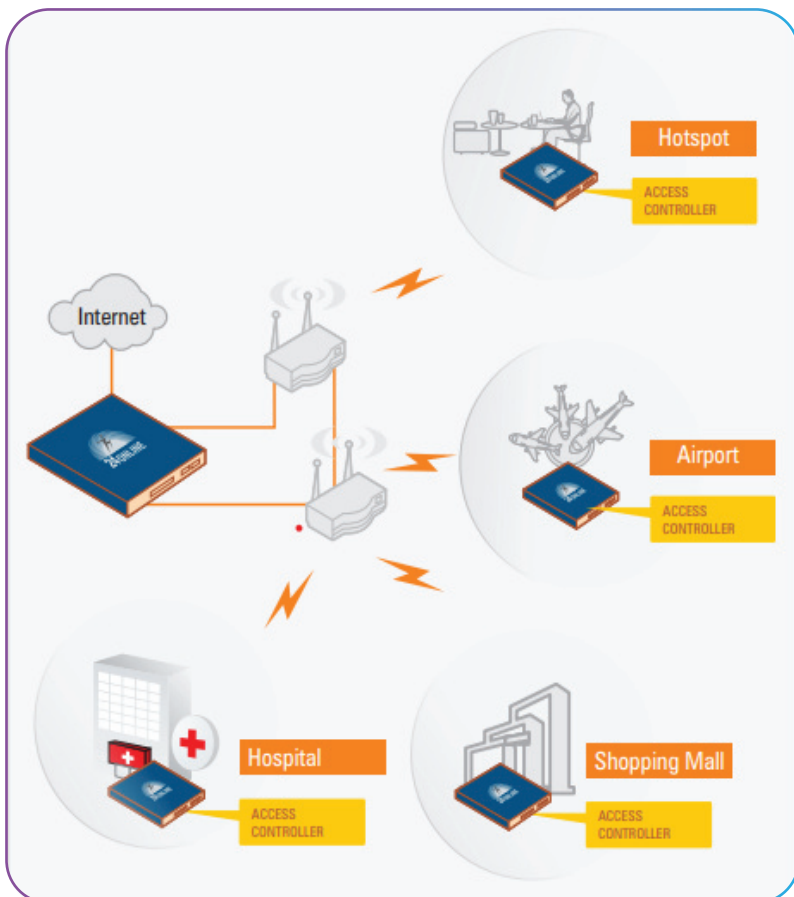## INFO TECHNOLOGIES PRIVATE LIMITED

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

Presence in 80+ Countries

2000+ Happy Clients

INTERNET Communication

250+ Channel Partners

20+ Years of Experience

6000+ Installation Over the Globe

5.5 Million Subscribers Globally

⊕ www.24onlinebilling.com

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

Key Benefits

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

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

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

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.

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 offes Centralized Service Control, Bandwidth, Management, Billing, Captive Portal Capabilities Ensuring Secured Network Access. Package Management Facilities Help in Identifying Usage Patterns through Exten sive Reports & Customizing Hourly & Days Based Plans Accordingly.

Single & Multi-Location Airports

24online Billing & Bndwidth 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 Authenti cated Traffic Using Captive Portal Solution. Deploy & Manage in Single or Multi-air- port Locations with Centralized Billing or Bandwidth Management by Any Network like WI-FI, Wired, DSL/AD- SL etc.

Single & Multi-Location Shopping Malls

24online Enables Shopping Malls to Provide Regulated Access to Users to the Mall Accross 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 it's 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 Ensurig Secured Network Access. Access Management through Customized Mobile Funtionalities 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 Basd 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 Onlion 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-funtionality 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 schedduling 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/Renew/LOGin/Logout etc.
- Offers Complete Log of SMS Sent
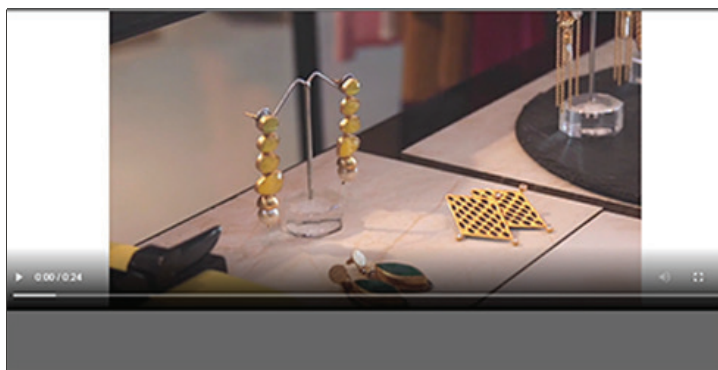- SMPP Support
- WhatsApp notification

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
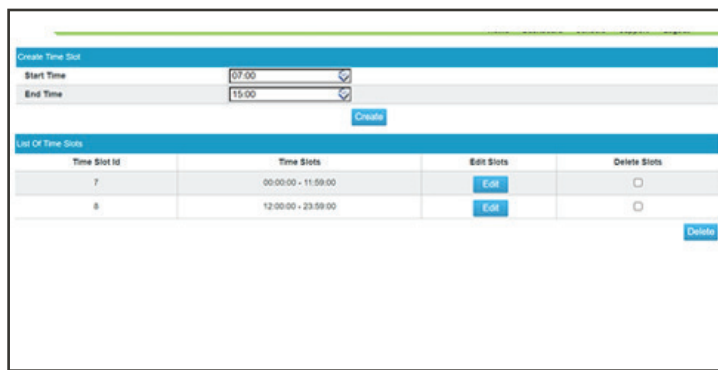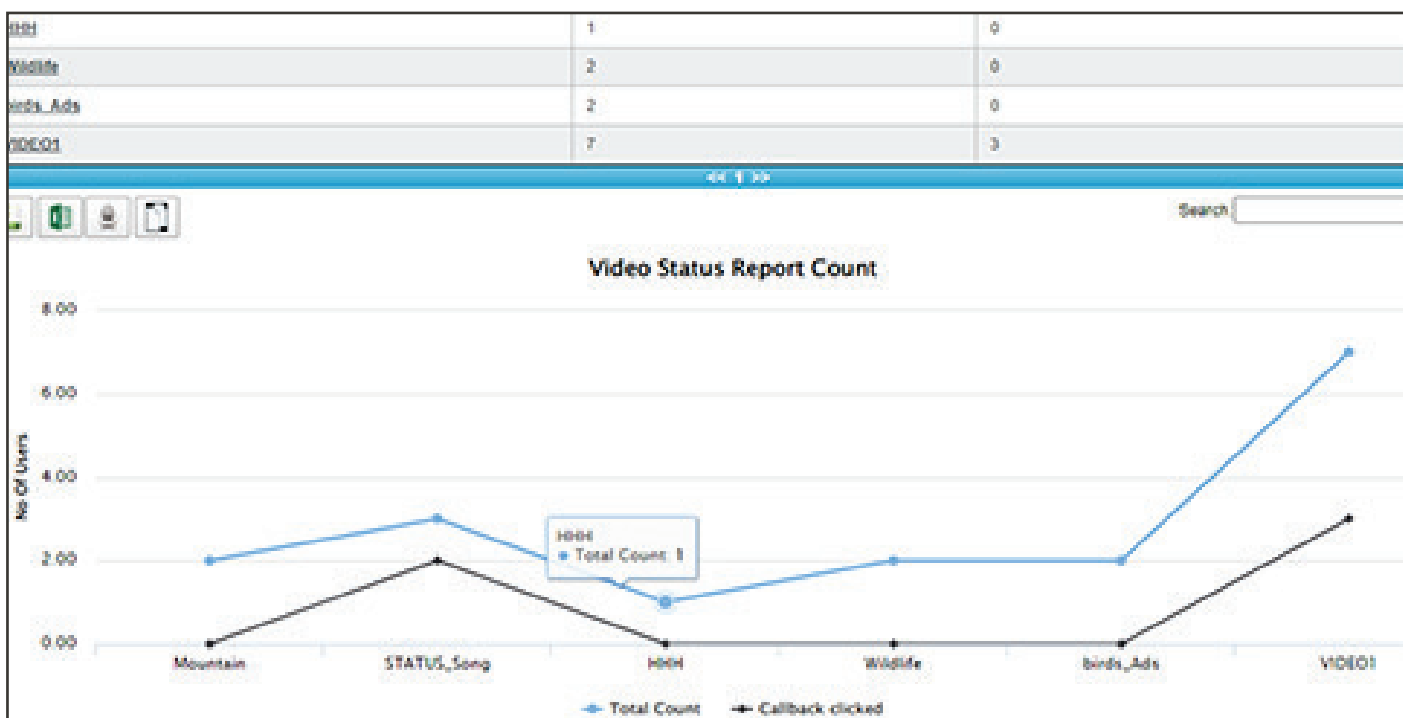- Bill Payment and Promotional Message

*Add-on Modules

24Online Video Advertisement, Scheduling & Monitization

Video AD Advertisement

Video AD Scheduling

Video Monitization 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 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.

QR Authentication

24online Centralized Management Console

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

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
5. SOFTWARE DEFINED WAN
4. SINGLE SIGN ON
6. DEEP PACKET INSPECTION
7. NETWORK DLP
8. LAWFUL INTERCEPTION
7. INTRUSION PREVENTION SYSTEM

HIA Series

HIA 100iX   HIA 200iX   HIA 500iX   HIA 1000iX

HIA 1500iX   HIA 2500iX   HIA 5000iX   HIA 10000iX   HIA 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.

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