Overview

24online, has been developed engineered to cater the advanced needs of internet service providers all over globe. 24online addresses the challenging issues of customer acquisition, secured service provisioning, internet billing and revenue generation. 24online has vast experience of product development and project management for different network platforms like Wired/Wi-Fi/VSAT etc. Being in this market for a while, 24online very well understands necessities and challenges of services providers managing the unending demands of users in highly cost effective ways.
Solution Deployments

**Single and Multiple Wired/Wi-Fi Network**

24online supports wired as well as wireless networks and can be deployed without disturbing the existing network. 24online is flexible enough to act as Access gateway, AAA and Billing in the same network. It can be configured as per the requirement of the network. 24online is capable enough to communicate with third-party servers for authentication or user details. 24online can be deployed in single or distributed mode for single or multiple locations based wired – Wi-Fi networks.
<table>
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<tr>
<th>Feature</th>
<th>Description</th>
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| **Access Management**                        | **Inbuilt RADIUS Server**  
  - 802.16 & 802.16e Compatible  
  - PAP/CHAP/EAP/TLS, EAP-TLS support  
  - Offers inbuilt Database  
  - Supports Oracle Database  
  
  **Authentication**  
  - Login through mobile app/PPPoE/web-based  
  - Based on username and password  
  - Interoperability  
  - MAC Based Auto 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  
  - Priority based bandwidth & contention ratio  
  - Bandwidth capping using firewall rule  
  
  **Subscriber Management**  
  - User Life Cycle Management  
  - Account ID based User Credentials  
  - 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 & Topup packages  
  - Advance Renewal System (ARS)  
  - Facility to Carry-Forward Quota  
  
  **Internet Billing**  
  - Data Billing  
  - Peak & Off-peak Billing  
  - Pulse Based Rating  
  - Pre-paid and Post-paid Billing  
  - Customizable Multi-Service Invoice Template  
  - Tax, Ancillary and Discount Facility  
  - Currency Converter Facility  
  - Allow Billing Grace Periods  
  
  **Franchisee Management**  
  - Create Multiple Franchisees In Network  
  - Create Single or Multiple Franchisee Operators  
  - Franchisee Based: Package | Vouchers | Invoice | MIS Reports  
  - Franchisee Based Payment Tracking  
  
  **Coupon Management**  
  - Branding & Customizable Coupon Templates  
  - Create Package & Zone wise Coupons  
  - Facilitates Online Coupon Purchase  
  - Instant coupon generation in printable formats  
  - System generated username & passwords  
  - In-built Ezprint printer configuration  
  - Pin Aging - Coupons with expiry date  
  
  **Captive Portal Capabilities**  
  - Create Customizable Login Pages – HTTP enabled  
  - Device Based Login Pages – Mobile/Laptop  
  - BYOD Support  
  - Social Media Based Authentication  
  - Create Page for SMS OTP based login  
  - User Self Registration  
  - Promotions and Branding options  
  
  **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**  
  - IP Pool Management  
  - DHCP and DNS  
  - SmartNat*  
  - SNAT Management*  
  - Console & Secured Access (SSH)  
  - Diagnostic Tools  
  - Demographic Field Option  
  - Basic Firewall System  
  - Walled Garden  
  - Syslog Configurations  
  - Swift User Migration Facility  
  - Data backup and restore  
  - Network Management Options  
  - Factory Reset  
  - Network packet capture option for admin  
  - Deployment Modes – Access Gateway | AAA | Standalone  
  
  **Administration**  
  - Role Based Multiple Level Administration – Console & Admin GUI (ACL)  
  - Change Password Options  
  - Multi-functionality Dashboard Facility  
  - Ease of admin Interface  
  - Quick configuration options  
  
  **Reporting**  
  - Admin GUI Usage Log - Audit Reports*  
  - NetKapture* | Weblogger* | Syslog Integration  
  - Reports in CSV/Printable/Graphical/PDF  
  - Diagnostic and System Health Check Tools  
  - MIS & BI Reports  
  - Realtime Pin Reports  
  
  **Third Party Integrations**  
  - CRM Integration  
  - Ticketing System Integration  
  - API Based Integration  
  
  **Payment Gateway**  
  - Integrated with 16+ secured payment gateways  
  - Facilitates online payment receivables  
  - Flexible to integrate with any payment gateway  
  - Integrated with 24online payment tracking  
  
  **Attractive & User Friendly Admin Interface**  
  - Rich look and feel of admin GUI  
  - Multi-lingual GUI option  
  - Frequent used options  
  - Demographic Field Option  
  - Comprehensive Dashboard Format  
  - Easy Control & Configuration Options  
  
  **High Availability**  
  - Offers High Availability Active-Passive Mode  
  - Detect Failure and Redirect Traffic to Secondary Server  
  - Avoids Data Loss and Downtime  
  
  **Alert Management**  
  - Event based customizable email templates  
  - Schedule alerts for renewal/package expiry  
  - Alert users on bandwidth switch over  
  
  **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  
  
  **Pop-up window for Live Users**  
  - Alert users in-case of login/logout/package expiry etc  
  - Pop-up live message for network or technical problems  
  - Bill payment and promotional message  

*Add-On Modules
Key Benefits

**Easy-to-Setup**
Even non-technical personal can easily configure this system without major technical knowledge.

**User Friendly GUI**
24online graphical interface makes it easy to use both for service providers and subscribers which does not require high level of technical knowledge.

**Plug-n-Play Solution**
Saves valuable time in configuring and setting up system in very few days

**Raises Revenue**
Helps in retaining customers and enabling higher QoS to premium subscribers with advanced services

**Smooth Franchisee Operations**
Simplifies and reduces operation costs to increase ROI by ensuring smooth operations even in multiple franchisee based network.

**Ensured Complete Customer Satisfaction**
With complete bandwidth management and fair distribution of bandwidth, prevents flooding attacks, downtime and high consumption of bandwidth among users, which automatically results into high level of service quality – ensured customer satisfaction!

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, VSAT and LTE. With more than a decade of experience, we offer the world class solutions in the most cost-effective way.