Overview

With the evolution of technologies and variety of devices to access internet, even universities are finding it difficult to manage the bandwidth which is observed to be highly consumed by students. In order to provide the right solution to Universities, Colleges, Schools and Educational Institutes, 24online brings dedicated solution which enables you to provide duration based and data usage based internet access to students. 24online offers bandwidth management, access control, prepaid PINS, student web self-care, provisioning, and extensive reporting as well as network security with an inbuilt firewall on a single platform. With the complete control over student internet access and usage of service, it avoids wastage of bandwidth saves maximum expenses on bandwidth. The extensive reports help analyze student usage patterns, maintain audit trails, and offer a flexible, dependable service.
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.

**Single University Network**

- Classroom
- Cafeteria
- Garden
- Hostel

**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 University Network**

**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 database. The centralized server controls the distributed 24online access controllers, allowing providers to have a widely distributed network across campus, students hostels etc.

**Strengths**

- More Than A Decade Of Solution Development Experience
- Supports Next Generation Services
- Acknowledged Player In Telecom & Hospitality Industry
- Presence In 60+ Countries with 3500+ Installations
- 24*7 Dedicated Customer Support

**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 University Network**

**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 database. The centralized server controls the distributed 24online access controllers, allowing providers to have a widely distributed network across campus, students hostels etc.

**Strengths**

- More Than A Decade Of Solution Development Experience
- Supports Next Generation Services
- Acknowledged Player In Telecom & Hospitality Industry
- Presence In 60+ Countries with 3500+ Installations
- 24*7 Dedicated Customer Support
Features

Access Control
Inbuilt RADIUS Server
• PAP/CHAP Support
• Offers inbuilt Database
• Supports Oracle Database
Authentication
• Based on username and password
• Integration with AD For Student/Faculties database as SS0
Authorization
• Based on MAC and IP address
• Re-Authorization Functionality
• MAC Based Auto Login
• AD Group Based Authorization - Student/Professor/St. 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
• Demographical Field Support
• Hierarchical Login Limit for concurrency at different level

Package Management
• Group Wise Package Creation option
• Limited and 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 and Post-paid Billing
• Customizable Multi-Service Invoice Template
• Tax, Ancillary and Discount Facility

Multi-Location Institutes
• Create Multiple Networks In System
• Create Single or 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
• System generated username & passwords
• In-built Ezprint printer configuration
• Pin Aging - Coupons with expiry date

Ezprint Printer
• Integrated Solution with 24onlineHIA
• In-built printer configuration in 24online HIA
• One-time Three Coupon Configuration
• Communication interface parallel port

Captive Portal Capabilities
• Create Customizable Login Pages – HTTP enabled
• BYOD Support
• HTTPS page redirection
• Location Based Captive Portal
• 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

Active Directory & LDAP Integration*
• Multiple cn Search
• Group wise different package mapping
• User Life Cycle Management

System Management
• Seamless Roaming (Wired to Wireless)
• IP Pool Management
• Reservation for IP Management
• DHCP and DNS*
• SmartNAT
• SNAT Management*
• Diagnostic Tools
• Basic Firewall System
• Walled Garden
• Syslog Configurations
• Swift User Migration Facility
• Data backup and restore
• Network Management Options
• Secured Console Access – ACL based
• Factory Reset
• 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
• Demographical Field Option
• Comprehensive Dashboard Format
• Easy Control & Configuration Options

Payment Gateway*
• Integrated with 15+ secured payment gateways
• Facilitates online payment receivables
• Flexible to integrate with any payment gateway
• Integrated with 24online payment tracking

Administration
• Role Based Multiple Level Administration
• Change Password Options
• Multi-functionality Dashboard Facility
• Ease of admin interface
• Quick configuration options
• Easy option for network troubleshooting
• Mail Alert on Login Failure Events

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

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

Reporting
• Admin GUI Usage Log - Audit Reports*
• NetKapture* | Weblogger* | Syslog Integration
• Reports in CSV/Printable/Graphical/PDF
• MIS & BI Reports

*Add-On Modules
Key Benefits

- **Easy-to-Setup**
  24online is designed to be easy to set up even for non-technical personal

- **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

- **Multi-Network Support**
  24online supports Wired and Wi-Fi and network platforms

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

- **Cost Effective Solution**
  Offers comparatively cost-effective, cost-efficient and value for money solution

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.