**Case Study**

# 24online Managed Wi-Fi Standalone Solution at Karnataka High Court

## In Nutshell

› More than a decade of product experience/ solution development
› Supports next generation services
› Acknowledged player in Telecom & Hospitality industry
› Caters Wired, Wi-Fi, WiMAX and VSAT Networks
› Plug-n-play solution

## The Bottom Line

❝ 24online has complete range of models which you can select as per your requirement unlike other solutions in the market. Moreover, its features like login once, zero configuration, reporting functionality and PMS integration has made our internet access network very smooth. ❞
Mr. Sundarajan, IT Head of

## 24online Deploys Wi-Fi Standalone Solution in Karnataka High Court, India

**Customer :** Karnataka High Court, Bengaluru

**Industry :** Court Industry

**Solution :** 24online SMS solution with Managed Wi-Fi Standalone solution, including bandwidth monitoring & monitoring solutions, OTP & Coupon login authentication and complete reporting

**Objective :** Providing a Managed Wi-Fi solution facilitating Karnataka High Court to offer flawless wireless internet service throughout to their staff and visitors. The solution should be able to authenticate the users trying to access the Wi-Fi network, manage bandwidth, through OTP verification and coupons for guest.

**Approach :** Karnataka High Court was approached by one of our channel partners for complete Wi-Fi hotspot solution.

**Statistics :** 24online Standalone Management Solution [SMS] 500iXi solution is deployed at location.

## Company Background

The Karnataka High Court is the highest judicial authority in the Indian state of Karnataka. It was originally established in 1884 as the High Court of Mysore and was later renamed following the formation of Karnataka state in 1973. The court's principal seat is located in Bangalore (Bengaluru), and it functions from the historic Attara Kacheri, a red-colored neoclassical building situated opposite the Vidhana Soudha.The High Court has jurisdiction over the entire state of Karnataka and deals with civil, criminal, constitutional, and administrative matters. It exercises powers under Article 226 of the Indian Constitution, enabling it to issue writs for enforcement of fundamental rights and legal remedies. The court also acts as an appellate body for decisions from lower courts and tribunals within the state.

## Challenge

In the current competitive market, every customer aims to provide best-in-best facilities and services to its guest to stay ahead of the competition. Qualitative services and facilities are result of advanced infrastructure and professional resources. The Karnataka High Court required a comprehensive internet access management solution that could ensure seamless and secure Wi-Fi connectivity across all court zones. Which offer role-based bandwidth allocation, giving priority access to judges and legal staff. Provide controlled internet access to advocates and visitors without compromising network security. Implement OTP-based login for guests and coupon-based access for temporary users. Prevent misuse or unauthorized access to the judicial network. Maintain detailed logs of browsing activities for compliance and audits.

## Solution

After considering the major requirements of Karnataka High Court, 24online delivered an ideal solution suiting all their needs like managing staff authentication with OTP based, coupon management, bandwidth management and all the complete reporting.

### Standalone Management System

After understanding the requirements and network configuration of the Karnataka High Court, 24online readily offered its SMS compatible solution for Court. For accessing all the functions and features related to the court, 24online Standalone Management SMS module was registered and necessary configurations are enabled. As 24online SMS solution is integrated with the well-known OTP authentication and bandwidth management. According to the configuration, whenever any staff wants to login in the wifi, otp will be send through mobile number from sms gateway end the necessary details of the user to 24online (as configured) and 24online will add/remove the user in its system.

### Captive Portal Capabilities

It is necessary that all users accessing library's network should pass thru determined authentication process to secure the network from malicious activities and threats. 24online's captive portal feature offers various options to create and configure pre-login captive portal web pages. Different login templates can be designed and various authentication parameters can be integrated required for different login pages. Also they can change or reset their password within the captive portal.

### Bandwidth and Package Management

24online's bandwidth management functionality allows defining minimum and maximum bandwidth to be allowed for each plan. Also, bandwidth restriction can be done after certain amount of data usage or after certain usage time period. 24online solution offers dynamic package creation feature using which Karnataka High Court can easily create and offer different packages for staff/guest as per their requirements.

### Data Transfer Module

By data transfer module, defining the amount of quota to be allocated for each user or a package can be done. 24online also facilitates to degrade the bandwidth after specific quota is consumed by the user.

### SMS Gateway

Now mobile phones can be used to exchange business information swiftly and in secured way. 24online offers advanced feature which can be configured to send Internet username & password directly to the guests or users on their mobile number. You can also maintain the SMS authentication process using this feature.
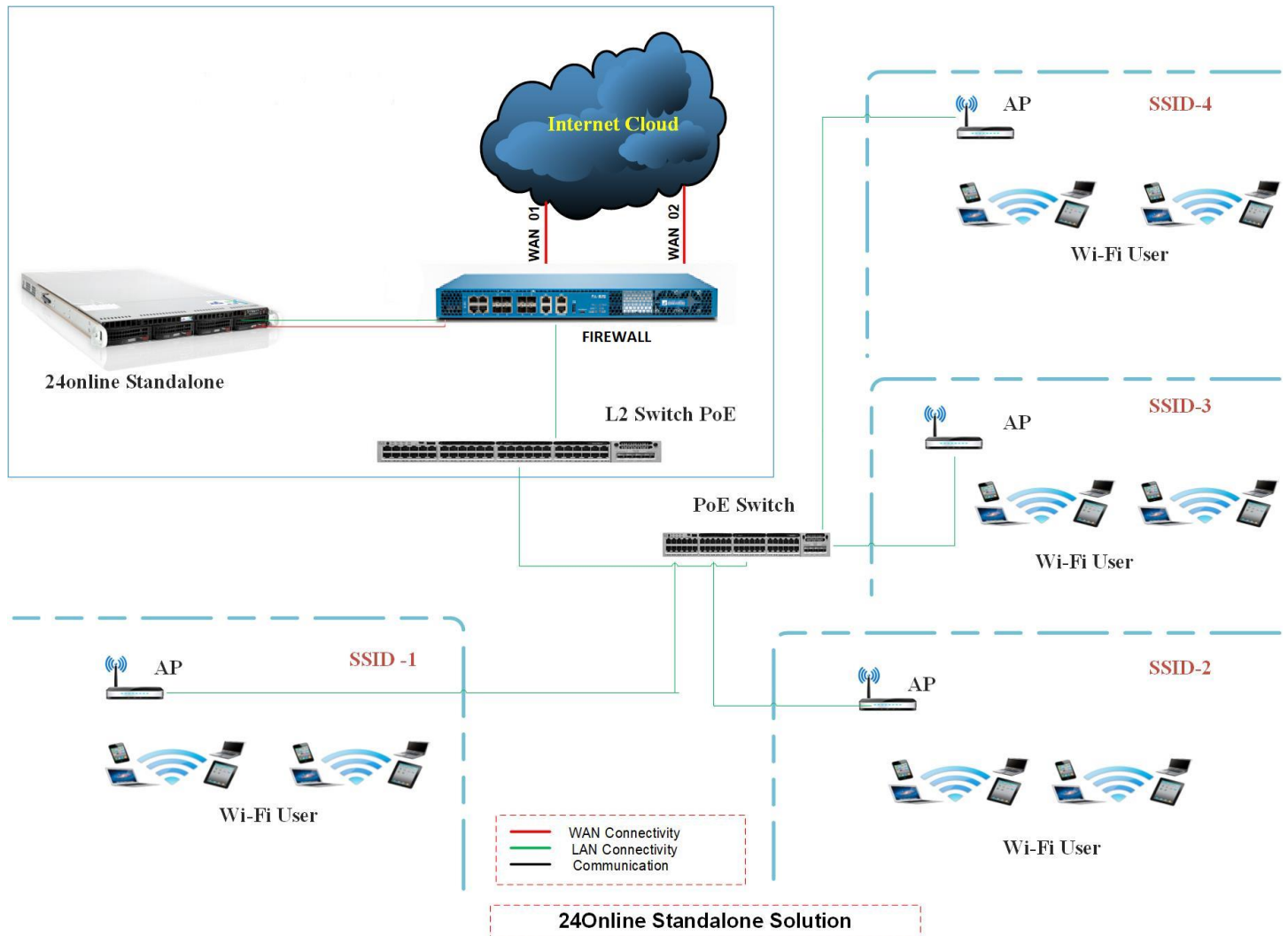
### Internet Coupon Management

24online enables universities to provide internet coupons to access internet from any location in the university. Walk-in coupons can be generated for the selected packages with pins and passwords which can be further printed as prepaid cards.

### Reporting

24online offers an advanced feature – Web surfing logger, by which an easy tracking of websites and applications surfed by users can be done. This feature is complied with the instructions issued by the government bodies. With the help of this module, regular reports in printable and graphical format can be obtained listing down the surfing details of each user. Moreover, it also helps to ensure about network security and in case of any malicious activity occurrence it makes easy to evaluate by reviewing reports stored in the system.

## Network Diagram



Internet Cloud

WAN 01

WAN 02

FIREWALL

24online Standalone

L2 Switch PoE

PoE Switch

AP    SSID-4

Wi-Fi User

AP    SSID-3

Wi-Fi User

AP    SSID -1

Wi-Fi User

AP    SSID-2

Wi-Fi User

WAN Connectivity
LAN Connectivity
Communication

**24Online Standalone 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.

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