

24Online Managed Wi-Fi Standalone Solution at Celica Business Center



In Nutshell

- › Supports next generation services
- › Acknowledged player in Backing & Educational Institutes
- › Caters Wired & Wi-Fi Networks
- › Plug-n-play solution
- › More than a decade of product experience/solution

Customer Name :	Celica Business Center
Industry :	Co-Working Segment
Solution :	24Online Managed Wi-Fi Standalone solution, including bandwidth monitoring, complete reporting and High Availability functionality has been implemented
Objective :	Providing a Managed Wi-Fi solution facilitating Celica Business Center to offer flawless wireless internet service throughout to their own employees, staff and visitors. The solution should be able to authenticate the users trying to access the Wi-Fi network, manage bandwidth and generate credentials for users.
Approach :	Celica Business Center was approached by one of our channel partners for complete Wi-Fi hotspot solution.
Statistics :	24online SMS 500ix solution has deployed at Celica Business Center as an HA mode with Net Kapture modules.

Company Background

The Celica Business Center is a prominent venture under the umbrella of the **Celica Group**, a diversified conglomerate headquartered in Kolkata, India. Established in the 1980s by visionary entrepreneur **Mr. Mayank Poddar**, the Celica Group has evolved over four decades into a multifaceted enterprise with interests spanning real estate, automobile dealerships, healthcare, and co-working spaces

As part of its real estate and property management initiatives, the Celica Group established the Celica Business Center, offering premium office spaces designed to cater to the needs of modern businesses. Located at the 9th Floor, Park Center, 24 Park Street, Kolkata 700016, the business center provides state-of-the-art facilities and services to its clientele.

Challenges

With the increasing demand of internet usage in educational institutes, managing bandwidth and internet access has become a dire need! Facing regular issues like high bandwidth usage, unauthorized user access and improper reporting to identify the users, Celica Business Center decided to deploy a comprehensive solution that manages internet requests from the employees, staff and visitors.

Mr. Mayank Poddar, Celica Group of Celica Business Center, listed down their complete requirements of the solution. He said, "We require a solution that can manage Wi-Fi access requests from various locations of the university where capacity of concurrent user 300 & the bandwidth should be pass through firewall. Most importantly, the solution should have user authentication feature by which any user trying to access internet should first get a login page. The user should enter the username & password to login and post successful login, the user should be allowed to access our network. The solution should allow us to create and manage different user profiles based on which it should be able to distinguish their bandwidth and package assigned. This will help us to restrict employees and staffs on their usage and maintain reports based on user's usage".

Solution Offered:

After considering complete requirements, 24online offered:

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 Bennet can easily create and offer different packages for guest/users as per their requirements.

User Management: 24online's user management feature will help admin to manage all users and view connected users in the network instantly. It helps in managing the user life-cycle and track complete user details like package, bandwidth consumption, user status etc.

Authentication, Authorization and Accounting [AAA]: 24online AAA functionality ensures the authentication and authorization of the user request received from the network. It provides authorization based on IP and MAC addresses as well as accounting based on time, duration, and usage.

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.

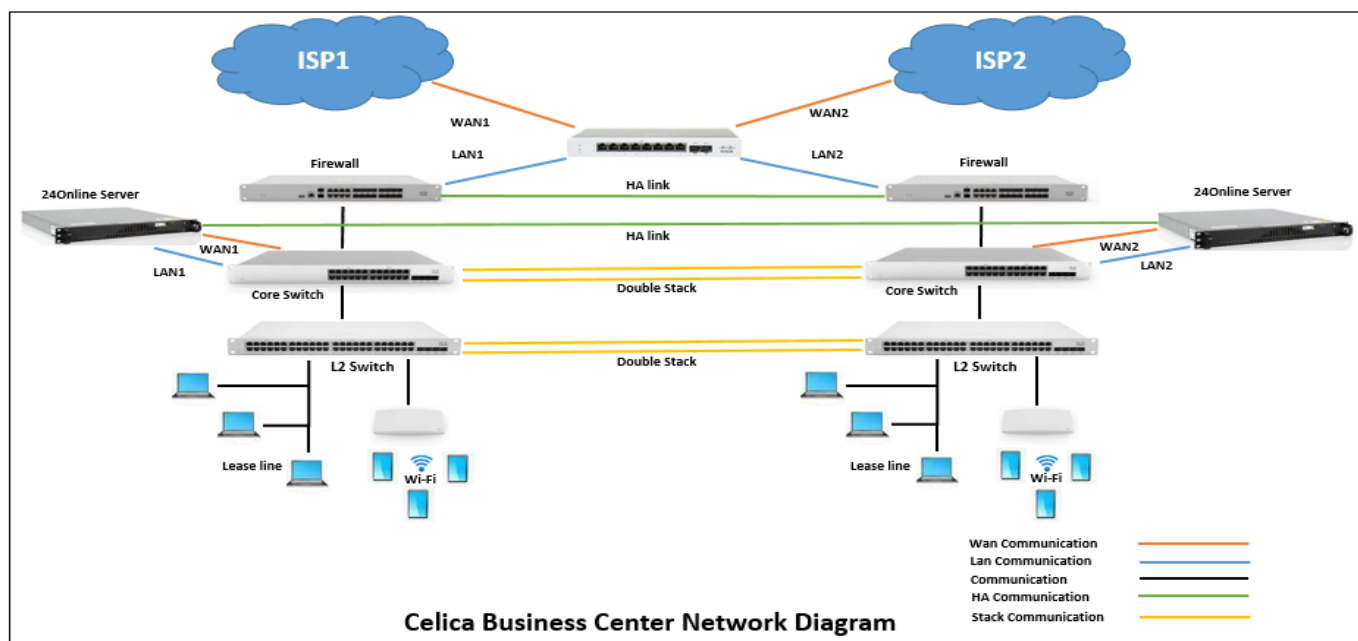
Captive Portal Capabilities: It is necessary that all users accessing library's network should pass thru determined authentication process to secure the network from malicious activities and threats. 24online's captive portal feature offers various options to create and configure pre-login captive portal 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.

NetKapture: 24online has come up with an advanced feature which acts as 'watchman' of the network, taking care of each and every protocol request sent and received by the network. The benefit of this feature is that it can easily trace all the logs and admin can generate different types of reports using this feature. It's an ideal feature which is highly in-demand for hospitality and ISP clients.

High-Availability (Active-Passive): 24online offers high availability – active passive by using virtual MAC address shared between the primary appliance and secondary appliance linked together. When 24online appliance is configured in Active-Passive mode, the primary appliance is responsible for forwarding the entire traffic requests

and the secondary appliance is responsible for acting as an auxiliary machine which readily operates as the primary appliance as and when the primary appliance or any of the monitored links fail. Primary appliance automatically takes over the secondary appliance once it starts functioning.

Network Diagram



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.