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Success Story

Indian Hotel Sees Satisfied Guests after Customized, High-Speed Zyxel DSLAM Solution

INDUSTRY
Hospitality

CUSTOMER
Hotel Basera

COUNTRY
India

SOLUTIONS
Zyxel DSLAM Solution

Overview

Challenges

- Overcome lack of modern cable infrastructure
- Provide broadband internet via telecom phone lines
- Ensure WiFi is fast, stable, and covers entire hotel

Solutions
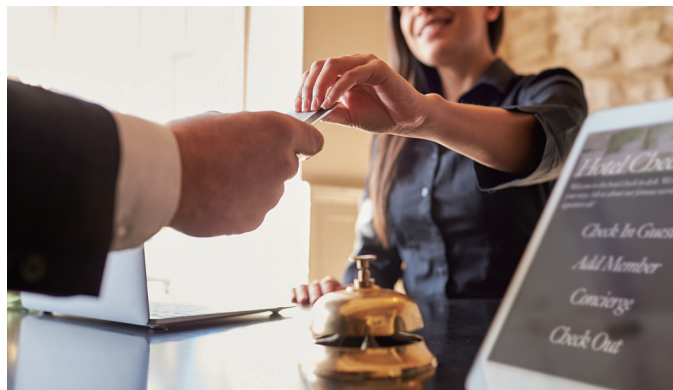
- Zyxel DSLAM Solution

Results

- Every guest room now has dedicated wireless connectivity
- Nearly 50 gateways easily managed via central DSLAM device
- Visitor satisfaction improving since deployment

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Background

Hotel Basera is located in the heart of Pune, one of the largest cities in India. Since the hotel is in close proximity to a train station and airport, it's a convenient resting spot for travelers. Its well-trained service team and assortment of modern amenities guarantee a relaxing visit. It even features a 50-person banquet hall, known as Crystal Hall, which has been designed to make any party or business conference a success.

Challenges

Because Hotel Basera has been serving customers for many years, it lacks the technical infrastructure of more contemporary buildings. For instance, the hotel isn't wired for cable connectivity—only analog telephone. Realizing that they had to find some way to provide guests with internet access, management had previously decided to install DSL wireless routers at several centralized locations. While this solution was able to connect most guests, a number of rooms fell outside the limited range of coverage. Additionally, since each router needed to meet the wireless demands of multiple users, bandwidth was frequently stretched thin.

Solutions and Benefits

After consulting with specialists at Kiros Infotech, a local IT company, Hotel Basera successfully deployed a powerful, customizable Zyxel DSLAM Solution. The solution leveraged existing telephone wiring to bring dedicated WiFi to every guest.

The hotel now has **Zyxel AMG1202-T10B ADSL2+ Wireless Gateways** in all the rooms. By simply connecting to the RJ-11 phone line, the devices can deliver stable, high-speed wireless internet. Instead of having to wander around the hotel in search of a signal or call down to the front desk to request a different room, each guest is able to surf the web instantly upon arrival. The hotel management has immediately seen an uptick in guest satisfaction as a result. The ADSL lines all link back to a centralized, easy-to-manage **Zyxel IES-1248-51 ADSL2+ DSLAM,** the backbone of the hotel's network. The Internet signal is broadcast through telephone lines to guest rooms in the building across five floors, 50 rooms in total.

Before adopting the Zyxel DSLAM solution, Hotel Basera's foundering WiFi was struggling to meet the demands of its guests. Now, the hotel has a fully modernized, cost-effective wireless network that delivers non-stop enjoyment to every room.

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Products Used

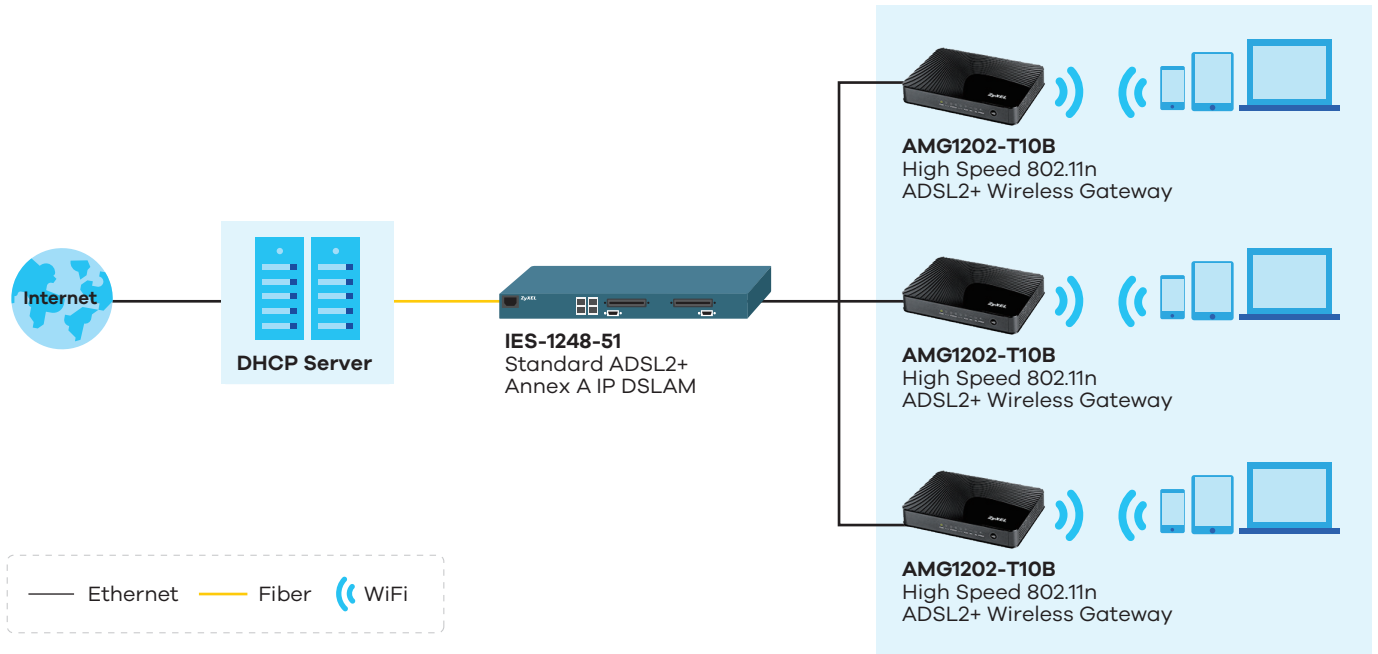### IES-1248-51 • Standard ADSL2+ Annex A IP DSLAM

- Application flexibility with asymmetric data transport of 24 Mbps downstream and 2.4 Mbps upstream per port
- 2-port bonding as well as loop condition diagnostic feature support compliant with ITU, ANSI and ETSI Standards
- POTS/ISDN in overlay mode
- Deployment from CO, cabinet or basement, multi-tenant units/multi-dwelling units

AMG1202-T10B • High Speed 802.11n ADSL2+ Wireless Gateway

- Standard-based WPS for easy and secure WLAN establishment
- Robust SPI firewall protection
- Remote provisioning and management through TR-069
- IPv6 support
- Parental control scheduling by different interface and MAC address
- ROM-D feature for distributor/ operator easy customization

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Diagram

Internet

DHCP Server

IES-1248-51
Standard ADSL2+
Annex A IP DSLAM

AMG1202-T10B
High Speed 802.11n
ADSL2+ Wireless Gateway

AMG1202-T10B
High Speed 802.11n
ADSL2+ Wireless Gateway

AMG1202-T10B
High Speed 802.11n
ADSL2+ Wireless Gateway

—— Ethernet —— Fiber ((• WiFi

About Zyxel

Focused on innovation and customer-centricity, Zyxel has been connecting people to the Internet for nearly 30 years. Our ability to adapt and innovate with networking technology places us at the forefront of creating connectivity for telcos and service providers, business and home users.
Zyxel is building the networks of tomorrow, unlocking potential, and meeting the needs of the modern workplace — powering people at work, life, and play.
Zyxel, Your Networking Ally.