



LEADING NEW ICT

Building a

Better Connected Hotel

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Challenges for Hospitality

Wireless access experience

Cost-effective network construction

Simplified O&M



Complex structures

The hotel scenarios are of great variety, including quest rooms, halls and conference rooms.



Low construction cost

How can a network provide consistent experience at a lower cost?



Deployment and acceptance

How can the IT system of a chain hotel be deployed rapidly and how is the network acceptance implemented?



Poor signals in guest rooms

Signal coverage for the guest rooms is a big challenge, and coverage holes likely occur



Low O&M cost

How can unified O&M be implemented at a lower cost?



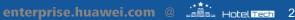
Fault location

Scattered AP deployment makes it difficult to assess the network running status.

Good customer experience is the cornerstone of Wi-Fi access success in hotels.

Network construction capability is a prerequisite for Wi-Fi access in hotels. High-quality network O&M helps improve Wi-Fi access efficiency in hotels.





Challenges for Hospitality in Greece



Network = Commodity

But it works, doesn't it?

What about O&M?

Network ≠ Commodity

Proper Design is crucial

Specialized Integrator is required

SOHO vs Enterprise-class gear



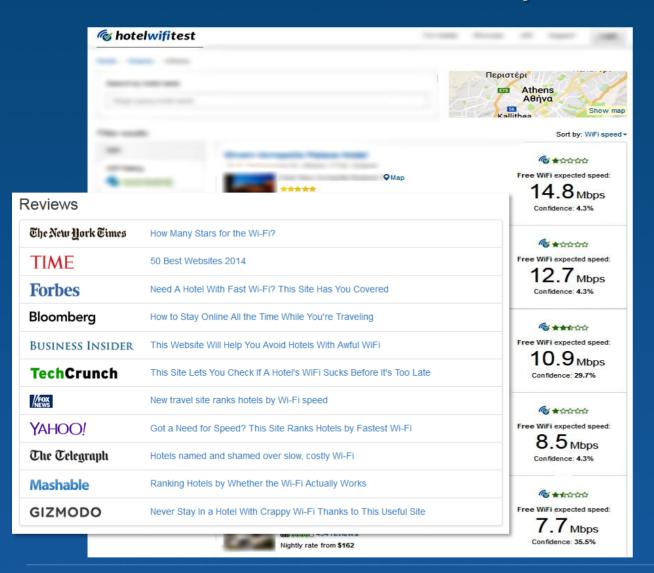
VS



Network O&M has equal importance to all other Hotel's **Operations and Maintenance**



Guests' Opinion is Public and Loud



Values explanation

- ☐ WiFi Rating ranking answers a simple question: how happy would you be with the WiFi at a given hotel? It incorporates key quality metrics such as download and upload speed, latency, and stability along with a confidence score.
- □ Expected speed indicates the speed you would likely get at a randomly chosen time of the day.
- □ Confidence value shows how thoroughly the WiFi has been tested at this hotel. The confidence value depends on several factors, including the number of speed tests taken, how recently the tests occurred, and the diversity of tests in terms of the time of day, day of the week, and point within the travel season.

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	Περιστέρι Athens Αθήνα Show map	SOHO LONDON ATTOM LONDON WESTMINSTER Show map	Casa de Campo Madrid Show map	EIXAMPLE Barcelona Hospitalet e Llohrenat Show map	Vatical City Rome Tor Sapien Show map 2	Uskudar Istanbul Show map
	Sort by: WiFi Rating ▼	Sort by: WiFi Rating ▼	Sort by: WiFi Rating -	Sort by: WiFi Rating →	Sort by: WiFi Rating ▼	Sort by: WiFi Rating +
♥Map © 2000 640 reviews Nightly rate from \$120	Free WiFi expected speed: 10.9 Mbps Confidence: 29.7%	Free WiFi expected speed: 89.1 Mbps Confidence: 60.0%	Free WiFi expected speed: 83.5 Mbps Confidence: 54.8%	Free WiFi expected speed: 118 Mbps Confidence: 59.0%	WiFi expected speed: 19.0 Mbps Confidence: 58.3%	Free WiFi expected speed: 22.8 Mbps Confidence: 57.5%
✓ Map Second 1325 reviews Nightly rate from \$140	Paid WiFi expected speed: 3.7 Mbps Confidence: 45.8%	Paid WiFi expected speed: 115 Mbps Confidence: 58.9%	Free WiFi expected speed: 40.0 Mbps Confidence: 56.2%	Paid WiFi expected speed: 65.7 Mbps Confidence: 54.9%	Free WiFi expected speed: 25.7 Mbps Confidence: 49.7%	Paid WiFi expected speed: 17.9 Mbps Confidence: 47.4%
Q Map See 300 677 reviews Nightly rate from \$130	Free WiFi expected speed: 3.6 Mbps Confidence: 40.4%	Free WiFi expected speed: 51.1 Mbps Confidence: 58.8%	Free WiFi expected speed: 40.4 Mbps Confidence: 52.2%	Free WiFi expected speed: 27.3 Mbps Confidence: 56.9%	Free WiFi expected speed: 12.2 Mbps Confidence: 60.0%	Free WiFi expected speed: 13.1 Mbps Confidence: 78.5%
♥Map ©®®®©© 2056 reviews Nightly rate from \$161	Free WiFi expected speed: 1.9 Mbps Confidence: 31.5%	Free WiFi expected speed: 170 Mbps Confidence: 58.7%	Paid WiFi expected speed: 27.9 Mbps Confidence: 52.7%	Free WiFi expected speed: 79.7 Mbps Confidence: 39.3%	WiFi expected speed: 28.4 Mbps Confidence: 41.7%	Paid WiFi expected speed: 14.5 Mbps Confidence: 48.5%
♥Map See0000 143 reviews Nightly rate from \$49	Free WiFi expected speed: 5.5 Mbps Confidence: 28.8%	Paid WiFi expected speed: 89.9 Mbps Confidence: 58.0%	Free WiFi expected speed: 40.8 Mbps Confidence: 48.0%	Free WiFi expected speed: 34.0 Mbps Confidence: 48.0%	Free WiFi expected speed: 16.7 Mbps Confidence: 41.8%	Free WiFi expected speed: 23.3 Mbps Confidence: 37.7%

Guests' Opinion is Public and Loud



"Nice place but Free Wifi not in room"

Reviewed 4 August 2016 via mobile

..This hotel offers a good and free Wifi system but only in the lobby. My room was very nice and cleaned. Breakfast was international but could be better. The hotel is near to subway but is possible to have a walk to visit the city centre. Nice for accomposation but I think free wifi in the room is needed for ...

"Good hotel but no free wifi in the rooms."

Reviewed 20 June 2016

...The hotel offers free wifi in the public areas. My big beef with many hotels these days is that they do not offer free wifi in the rooms. I am sure the majority of guests only want to use wifi to contact family, check on arrangements, google places to go.

"Great hospitality"

Reviewed 3 November 2016 via mobile

I recommend the hotel but it is bad to sell internet connection, no free wifi option even low bandwith.

Reviewed 8 September 2016

...Free wifi in the lobby but expensive if you wanted to use it anywhere else - ridiculous for a 5 star hotel in 2016.

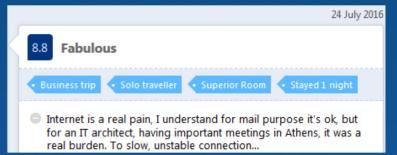
Reviewed 20 May 2016 via mobile

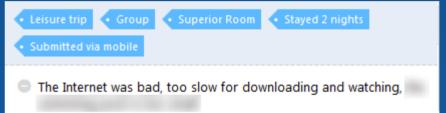
As a five star hotel, you expect more accommodations like free wifi or at least high speed internet. Wifi was not free in rooms and it was very very slow in the lobby.





Booking.com











What Huawei has to offer.....



- Local office
- Focus on Hospitality Sector
- Open Platform, Open Collaboration

A Global Leader of ICT Solutions





Innovative Products & Solutions







The most complete ICT product portfolio



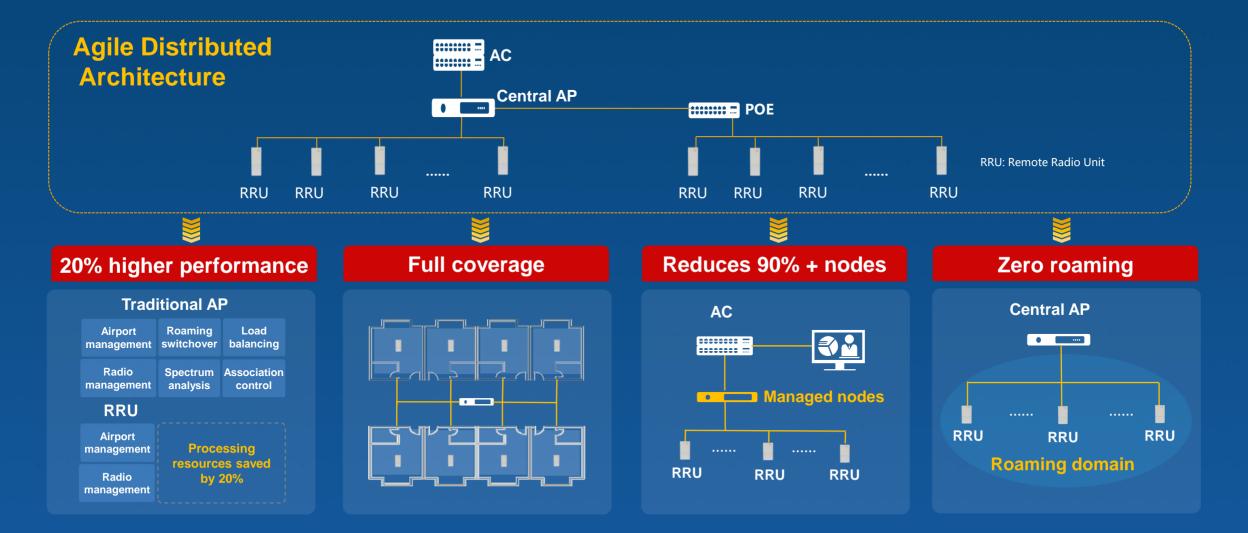


Innovative Solutions Perfectly Match All Hospitality Scenarios





Agile Distributed Architecture, Upgraded Experience



Optimized Experience: Automatic User Access Management and Differentiated Traffic Management

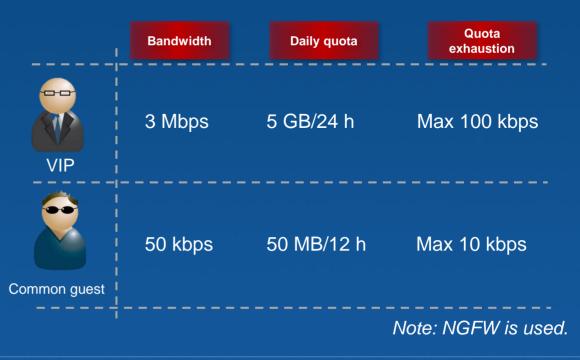
Automatic creation and de-registration of user accounts

- Check-in The system automatically creates Internet access accounts for auests.
- Second access MAC address authentication is preferentially implemented to prevent quests from repeatedly entering accounts and passwords.
- Check-out The system automatically de-registers guests' accounts.

Invoke the API on the Controller to generate an account. Check-in Account: xxx Password: ***** Role: VIP Validity period: ddhh-DDHH Traveler Hotel management system Quick access Smart terminal Controller Authentication system

Differentiated management of user bandwidth and quota

- Bandwidth management Limit access bandwidth based on users.
- **Quota management** Allocate daily/monthly quotas based on users.
- Quota exhaustion Restrict actions based on users.





eSight: A Professional Tool for Unified Network O&M





Visualized planning Three-step deployment 360-degree monitoring One-click diagnosis Mobile O&M Open operation

eSight Mobile: Control Your Network Anytime at Anywhere



Compact and portable



Agile and open



Remote troubleshooting



On-site diagnosis



360-degree monitoring

Regional **Terminal** diagnosis monitoring









Miraggio Thermal Spa Resort, Halkidiki

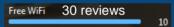


100% Coverage

300 Rooms in 13.000m²

Convention Room 1000m² Outside Area 330.000m²

Indoor Common Area 3.000m²







1G Access – 10G uplinks iStack and CSS2 cluster for access and core nodes respectively Full hardware and link redundancy for all nodes Core: 2x S9700 Series, Access: 60+ S5720 PoE Series

11ac Wireless: Redundant WLAN Controller cards on Core Switches 215x AP4030DN for common rooms 140x AP5030DN for luxury rooms

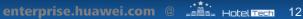
13x AP7030DE for high-density indoor areas 20x AP8130DN for outdoor areas

Security: Malicious Attacks Protection, Service/user Traffic Filtering High Performance FW cluster in Active-Active mode (2x USG6370)

NMS: eSight Unified Management System Planning, operating and maintaining both Wired and Wireless Network

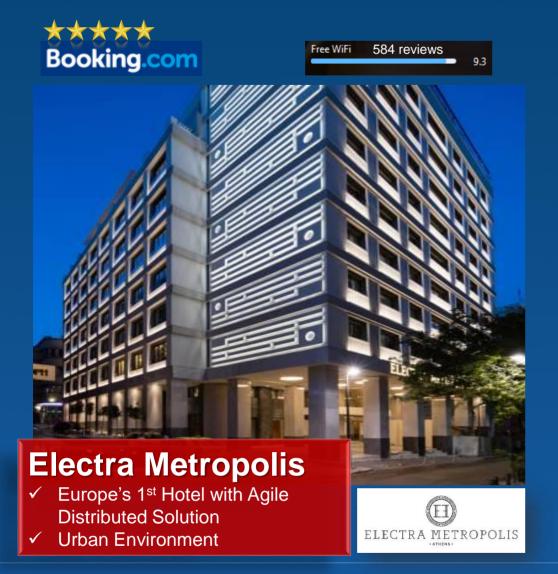
e Sight







Electra Metropolis Athens





WAN: External Connectivity through Internet and MPLS Service

High Throughput, Integrated Security (AR2220E router)

I AN: Access - Distribution - Core architecture

High-speed switching

iStack for access and core nodes.

Full hardware and link redundancy

Core: 2x S6720-54C-EI-48S (10G), Access: 26x S5720 PoE Series

11ac Wireless: 1st Hotel in Europe with WLAN Agile Distributed Solution

300x RRU's R230D/R240D for the rooms and corridors/elevators

15x Central AP9430DN-24

25x AP7030DE/AP4030DN for high-density indoor areas

2x Large Capacity WLAN Controllers AC6605

NMS: eSight Unified Management System

Planning, operating and maintaining both Wired and Wireless Network



Together We Can Enrich Guest's Experience Through a Better Connected Hotel