Wireless

Gateway

SaaS based HSIA products – YunGW and BroadYun system. Provide customized guest internet access system and related features for luxury, premium and resort hotels.

LinkSign

BroadView

LinkBroad
岭博科技

Powerful
hardware is more stable

Flexible
Internet access & optimization

Convenient
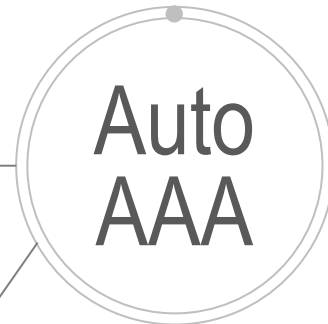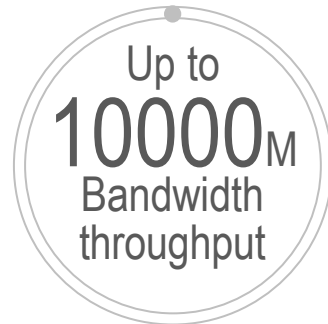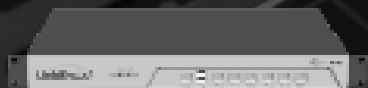Mobile phone management

Quick
response to all requirement

WHY
////// LINKBROAD

Powerful

hardware is
more stable

YunGW

Up to
100k
Concurrency

HA
Dual
gateway

6
ISP lines
support

Infinite
Space for
regular use

Up to
10000M
Bandwidth
throughput

**Auto
AAA**

Flexible

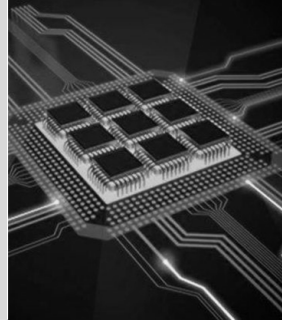## Internet access & optimization

Further study and understand hotel guest internet application and requirement to the bandwidth capacity, speed, routing quality. System is flexible to be adjusted any time based this hotel actual situation

Speed & line Smart Control

Bandwidth Reservation

Application Optimization

Dynamic Bandwidth

Performance dashboard
Status of current bandwidth utilization, number of user, lease line status, failure alarm etc.

Network failure alarm
Real time notification through WeChat about any offline/failure

Device manual enrollment
Quickly enroll any user device by Mac, IP address or select from the list directly.

User line and signal review
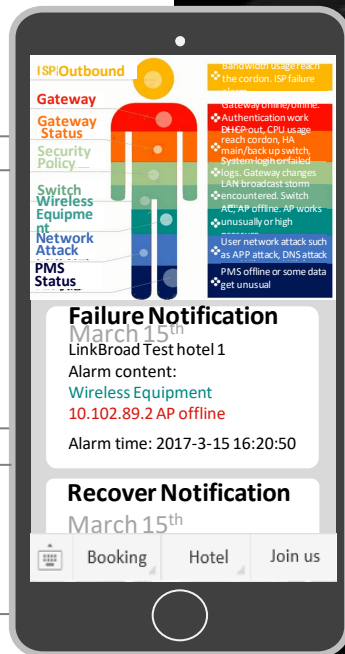Quickly view user's access information and wireless signal strength

User speed adjustment
Simply enter guest room number or account number then adjust user device cap bandwidth any time

Internet behavior report
Top 100 browsed website and failed access destination, ISP line quality etc.

Phone display:
ISP Outbound
Gateway
Gateway Status
Security Policy
Switch
Wireless Equipment
Network Attack
PMS Status

Bandwidth usage reach the cordon. ISP failure
Gateway offline/online. Authentication work DHCP out, CPU usage reach cordon, HA main/back up switch, System login or failed logs. Gateway changes LAN broadcast storm encountered. Switch AC, AP offline. AP works unusually or high pressure. User network attack such as APP attack, DNS attack. PMS offline or some data get unusual

Failure Notification
March 15th
LinkBroad Test hotel 1
Alarm content:
Wireless Equipment
10.102.89.2 AP offline
Alarm time: 2017-3-15 16:20:50

Recover Notification
March 15th

Booking   Hotel   Join us

Convenient
Mobile phone management

Different rights for different user, ITM can manage individual hotel. Cluster can manage multiple hotels. Director can manage bigger area or all hotels.

Before : PC
120 sec
Now: Mobile Tools
30 sec

Network survey

3rd party Interface

Case study

Report on demand

CUSTOMER SERVICE
SATISFACTION SURVEY
Please rate your experience
Excellent
Average
Poor

Guest Satisfaction

Urgent support

Quick

response to all service and technical requirement

LinkBroad dedicate account manager, service team and R&D team are always standby for hotel service requirement. Promise to provide reply at the first time.
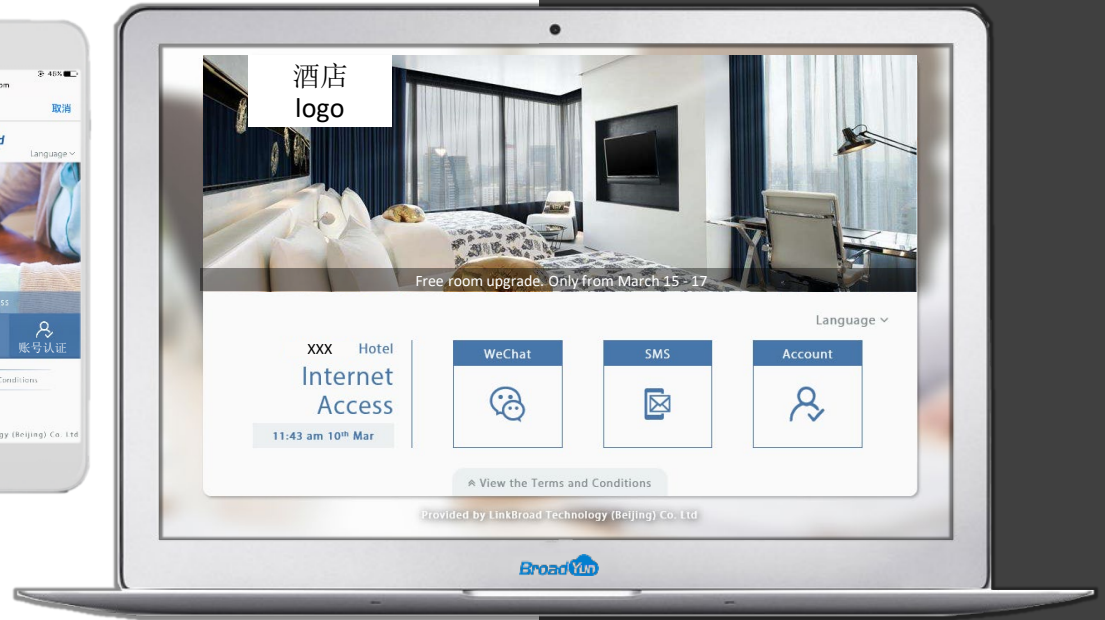
High light 1

Better Internet Access

Simplified Design
Multiple way of internet authentication

Real time AD promotion push to the login portal

Quick registration to make guest to be member

WeChat mini program for Wi-Fi

A NEW WAY OF YOUR WI-FI

More hotel official WeChat follows
More hotel member enrollment

1 Implant into official WeChat to increase follows %

2 Interface with membership system & collect more members

3 Automatically switch device network from 4G to hotel Wi-Fi

4 Mini program may save cost of internet SMS authentication

5 Satisfy internet real name authentication requirement

6 Can be setup to support hotel to hotel internet access roaming

Hotel WeChat Mini Program for Wi-Fi

Option 1: Follow hotel WeChat then connect

Scan hotel WeChat QR and follow

Hotel WeChat main page service menu

WeChat for Wi-Fi Mini program page Click "Connect"

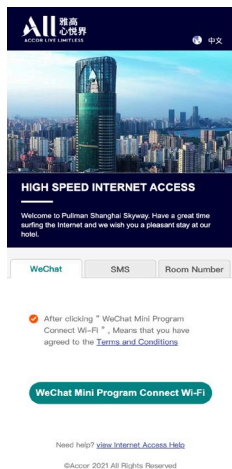Verify guest mobile Phone number. Support to register to be a member

Automatically switch 4G/5G to hotel Wi-fi
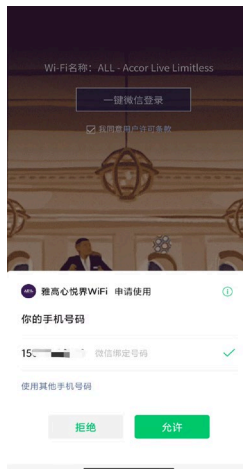
Hotel WeChat Mini Program for Wi-Fi

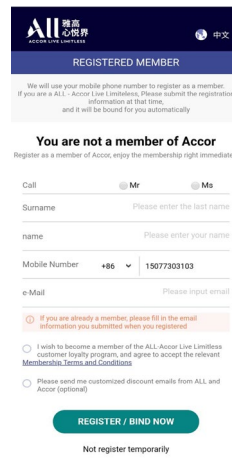## Option 2：Click SSID then redirect to WeChat mini program

Connect to hotel Wi-Fi (SSID)

Select authentication: "WeChat" access

Verify guest mobile phone number

Optional: Fill the form and become a member

Connected! Redirect to hotel website/mini program

Scan Laptop/Tablet QR code for Wi-Fi

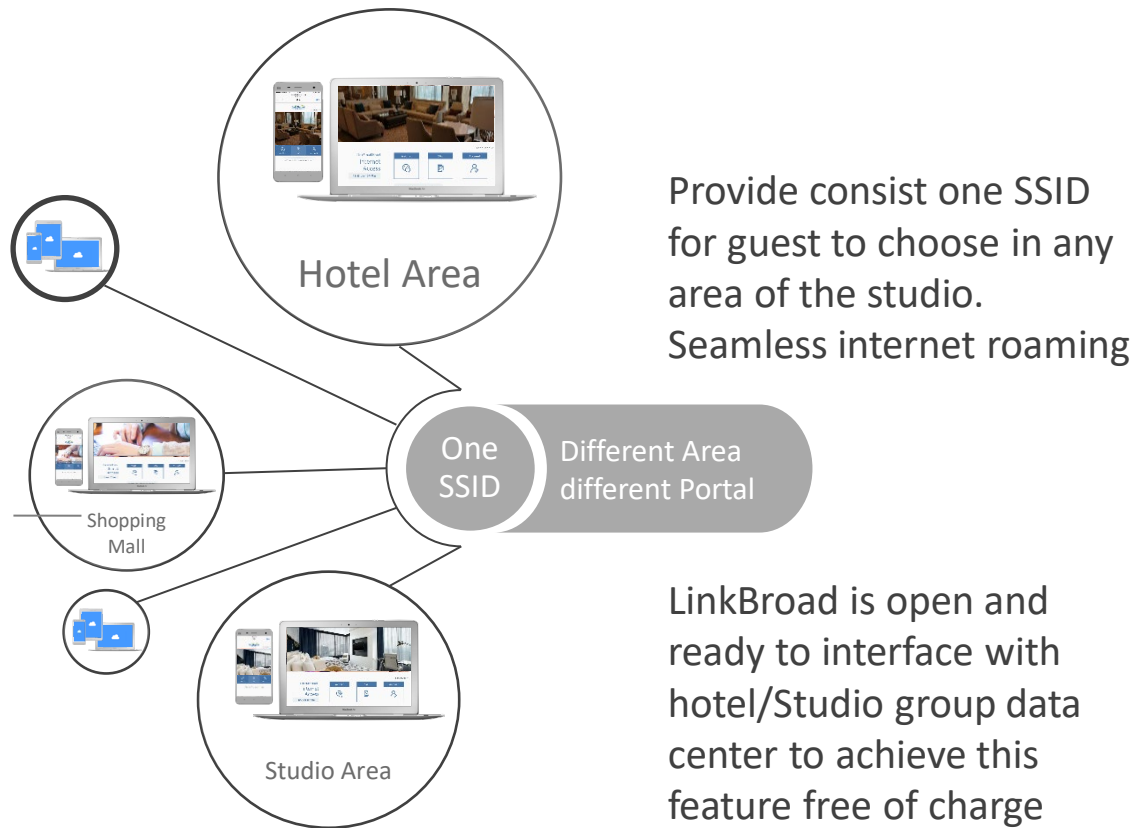## Connect to SSID then choose "WeChat", use mobile to scan QR code

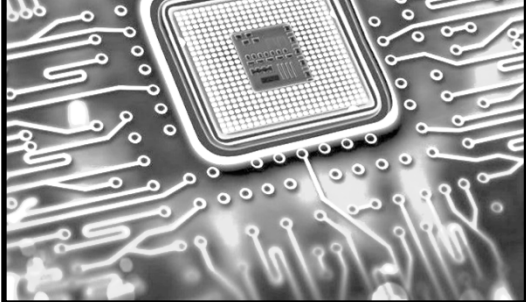Guest mobile to scan and accept this laptop Table internet request. Connected!
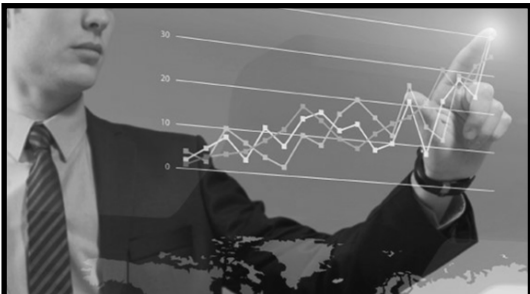
Roaming
Area to area seamless roaming

LinkBroad total solution support secured area to area seamless roaming and guest won't have to do authentication again and again

Hotel Area

Shopping Mall

One SSID | Different Area different Portal

Studio Area

Provide consist one SSID for guest to choose in any area of the studio. Seamless internet roaming

LinkBroad is open and ready to interface with hotel/Studio group data center to achieve this feature free of charge

LinkBroad
岭博科技

Smart Control

Fully utilized hotel idled back up line to maximize the resource and save cost.

Bandwidth Load Balance

- Priority-based Load Balance
- Round-Robin Load Balance
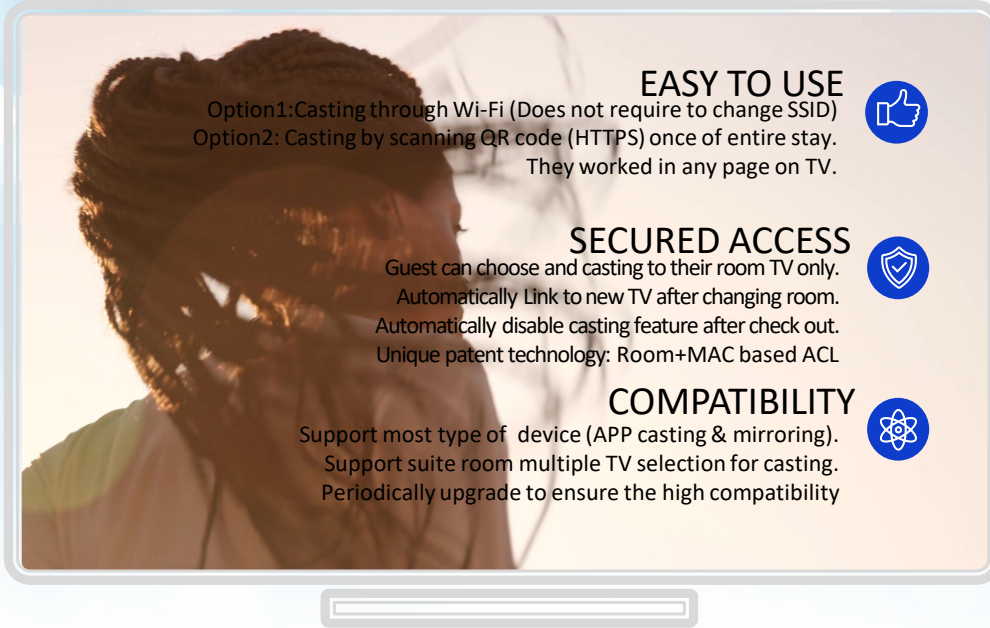- Least-Load-First Load Balance

ISP Line Policy Routing

Guest may access internet automatically through…

- Room number
- Different VLAN
- Different IP
- Different nationality
- Different device
- Different destination

A SECURED WAY OF SCREEN CASTING

Rich and colorful content through your mobile phone
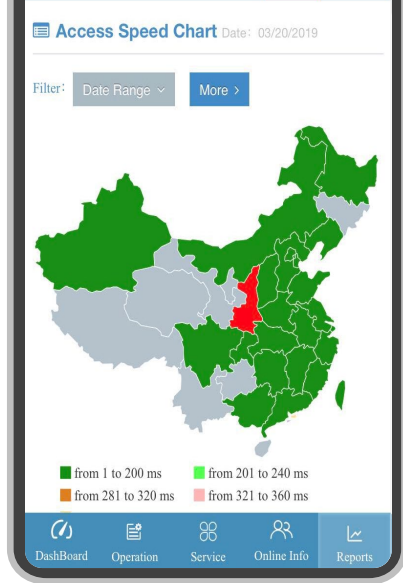in the guest room and bring you the same experienced as home

EASY TO USE

Option1:Casting through Wi-Fi (Does not require to change SSID)
Option2: Casting by scanning QR code (HTTPS) once of entire stay.
They worked in any page on TV.

SECURED ACCESS

Guest can choose and casting to their room TV only.
Automatically Link to new TV after changing room.
Automatically disable casting feature after check out.
Unique patent technology: Room+MAC based ACL

COMPATIBILITY

Support most type of device (APP casting & mirroring).
Support suite room multiple TV selection for casting.
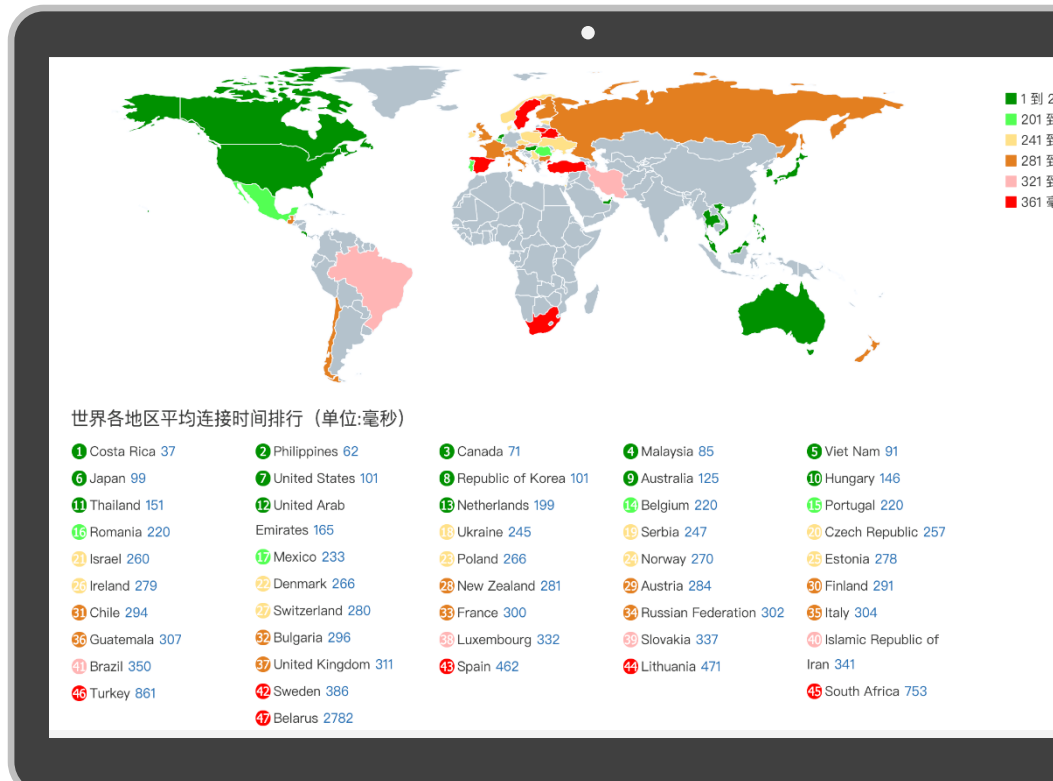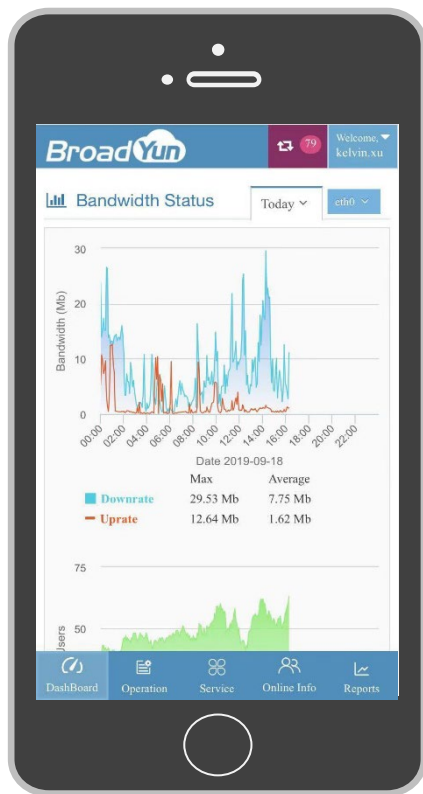Periodically upgrade to ensure the high compatibility

SHARE YOUR CONTENT TO TV

High light **6**

Access Speed Chart Date: 03/20/2019

Filter: Date Range ⌄ More ›

■ from 1 to 200 ms ■ from 201 to 240 ms
■ from 281 to 320 ms ■ from 321 to 360 ms

DashBoard Operation Service Online Info Reports

Hotel Internet Behavior Report

Know more about your internet quality

世界各地区平均连接时间排行（单位:毫秒）

① Costa Rica 37	② Philippines 62	③ Canada 71	④ Malaysia 85	⑤ Viet Nam 91
⑥ Japan 99	⑦ United States 101	⑧ Republic of Korea 101	⑨ Australia 125	⑩ Hungary 146
⑪ Thailand 151	⑫ United Arab Emirates 165	⑬ Netherlands 199	⑭ Belgium 220	⑮ Portugal 220
⑯ Romania 220	⑰ Mexico 233	⑱ Ukraine 245	⑲ Serbia 247	⑳ Czech Republic 257
㉑ Israel 260			㉓ Norway 270	㉕ Estonia 278
㉖ Ireland 279	㉒ Poland 266	㉘ New Zealand 281	㉙ Austria 284	㉚ Finland 291
㉛ Chile 294	㉖ Denmark 266	㉝ France 300	㉞ Russian Federation 302	㉟ Italy 304
㊱ Guatemala 307	㉜ Switzerland 280	㊳ Luxembourg 332	㊴ Slovakia 337	㊵ Islamic Republic of Iran 341
㊶ Brazil 350	㉜ Bulgaria 296	㊸ Spain 462	㊹ Lithuania 471	㊺ South Africa 753
㊻ Turkey 861	㊲ United Kingdom 311			
	㊷ Sweden 386			
㊼ Belarus 2782				

■ 1 到 2
■ 201 到
■ 241 到
■ 281 到
■ 321 到
■ 361 毫

High
light 8

BroadYun + YunGW + service = LinkBroad Merged Network

Merged Network

Enhance your network management and easier for the back office access

Cloud
Broad Yun

Internet
WAN

Fire Wall   YunGW   AD Server

PMS Server   Core Switch   AC

Floor Switches
LAN

Access Point   Access Point   Access Point

Public Area   Guest Room   Meeting Room
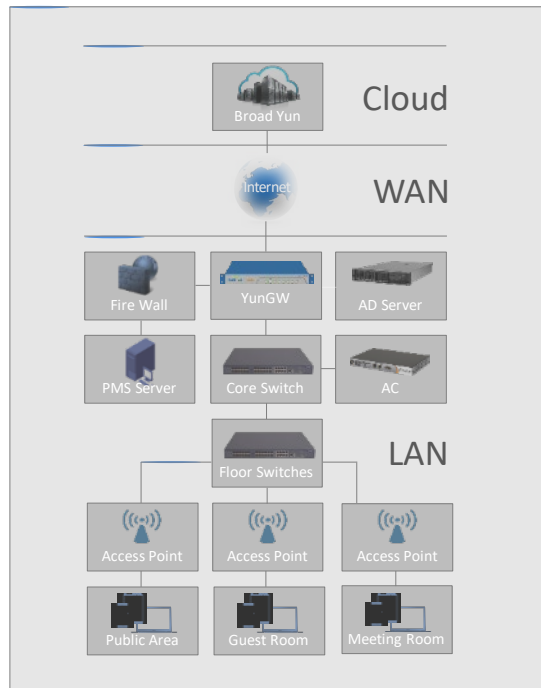
Advantage 1

Merged network structure design only require one sets of network equipment to cover both guest network and back office network in the same time. Generally save half network investment for hotel

Advantage 2

System internally enabled 802.1x authentication to assign different VLAN to guest and hotel staff device under same network structure Ethernet port. Firewall to secure different VLAN data

Advantage 3

From same Ethernet port, guest may only see authentication portal but staff may be connect to back office VLAN for internal purpose (such as build up a PMS check in desk)

Guest Satisfaction Improvement Program

Fully understand hotel pains of integration project that quality and long term performance has to be at hotel operation team's responsibility and cost. LinkBroad assign a dedicated service team to work with hotel for their performance check from time to time. Study and analyze any part of network problem, solve the problem and change the configuration. Working with 3rd party and manufacturer to make necessary changes at the low cost.

Report

1 Dedicate
team from LinkBroad to study and collect low socre/complain information. Initial the improvement program

2 Analysis
these data and record then work out improvement action plan by working with hotel

3 Optimize
Hotel network and solve the problem at lowest cost according to the action plan

4 Monitor
hotel score continually until it's improved and meet target. Or repeat procedure "2 – 4"

Implementation

SNMP and API Interface √

Mobile alarm System √

All in One Service √

Follow up action √

Brand	AP	Switch	Offline Alarm	24*7 NOC
Ruckus WIRELESS	√	√	√	√
CISCO	√	√	√	√
aruba	√	√	√	√
EXTREME WIRELESS	√	√	√	√
HUAWEI	√	√	√	√
ISP/VPN line			√	√
PMS interface			√	√
Gateway			√	√

Up to
30%
Idle bandwidth
utilized

20%
Reduced number
of guest call to
operator

HA ensures
0%
gateway down
time

Mobile tools
30sec
only to solve
guest problem

LinkBroad
岭博科技

10-20%
cheaper from
purchase &
service fee

Faster
online video
speed

Our Promise to the hotel