LigoWave

Cloud Based WiFi Hotspot Solution

About LigoWave

LigoWave develops high performance wireless solutions with emphasis on innovation, versatility, and affordability. Our team strives to revolutionize the way people see wireless with the ultimate goal to better connect the world; we have succeeded in doing so by putting our products in the hands of customers in over 150 countries. Our products have connected people and empowered them in ways previously thought impossible. We know the relentless desire for data will prompt new and demanding wireless applications, and it is our goal to drive the market as a leading solutions provider.

Originated in the United States, LigoWave started in 2007 as a team dedicated in developing quality wireless networking equipment for the wireless broadband and enterprise markets. Our commitment to excellence has not faltered over the years and has propelled us to grow into an international brand today. Our operation has expanded worldwide with over 10 offices and service centers in North America, Europe, and Asia. LigoWave designs and manufactures products in our own facilities to ensure maximum performance and consistent quality.

Wireless is the future. This belief is what drives us every day. Starting with marketing, progressing to R&D and later migrating to manufacturing, and then moving to sales and support, our united passion for wireless inspires new solutions that will change the way we interact with wireless technology.

LigoWave Cloud Wi-Fi coverage

Cloud services have revolutionized the businesses and consumers around the world, we can help our customers easily manage a private cloud to explore important business opportunities and operations.

Technical advantages: :
Ease of deployment Wi-Fi applications with mature Cloud technology

Public services:
Hospitals, Banks, Government

Residential

Commercial areas:
Supermarket, Shopping malls, Restaurant

Public transport

Cafes, hotels, leisure and entertainment

Schools, training institutions

Café

Wi-Fi Cloud Features

One and only operational Wi-Fi cloud coverage solutions

Operational

Manageable

Reliable

Operations platform
Advertising / Distribution of contents
/ Community operations

Operation platform
LBS (interface) application / data analysis
/ vertical industry application

When user access authentication by Portal, login data is collected for data analysis

Business application support
Network and client management /
AAA

Security
HTTPS (management) / TLS (control) L2TP
IPSEC (transport) Firewall / VPN

Wi-Fi Cloud Coverage Application

Chain stores industry Wi-Fi platform
Stores, supermarket chains, hotel chains, car 4S shop, etc

Network Service station Wi-Fi platform
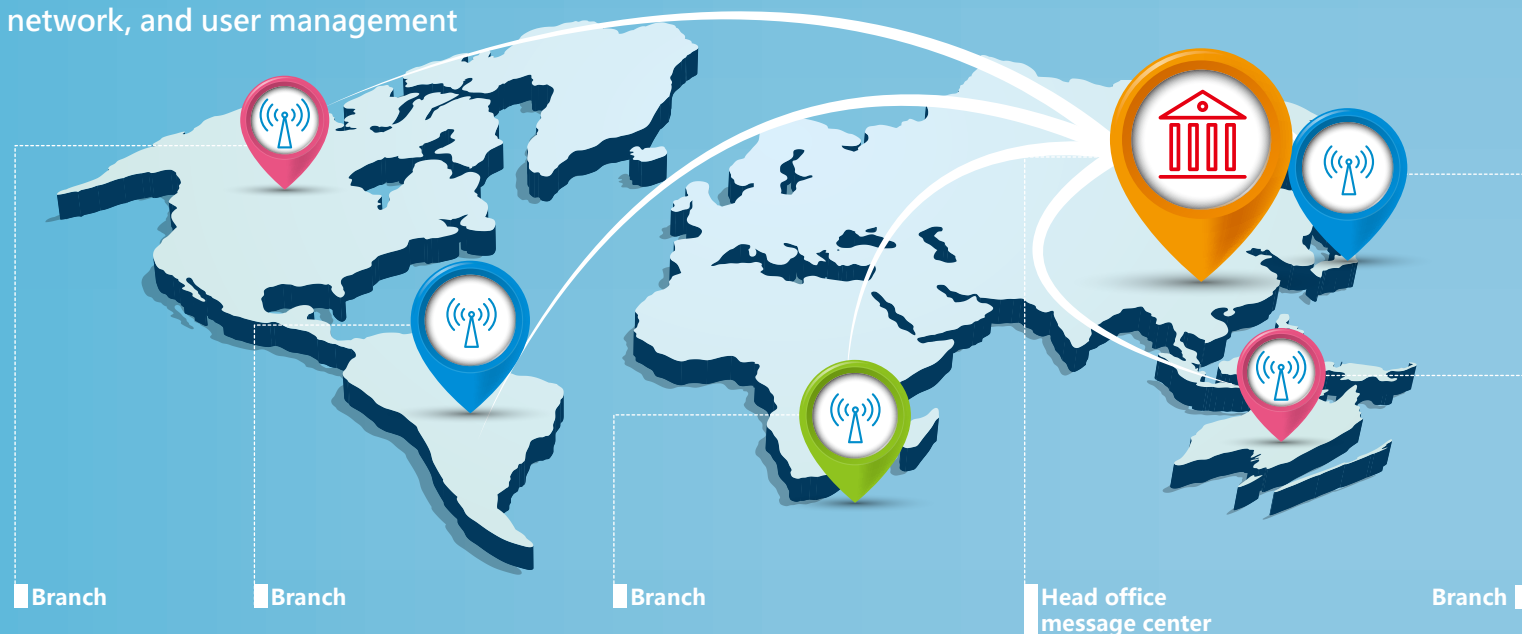Business hall, Lottery stands, Bus station

Public Wi-Fi platform
Shopping malls,
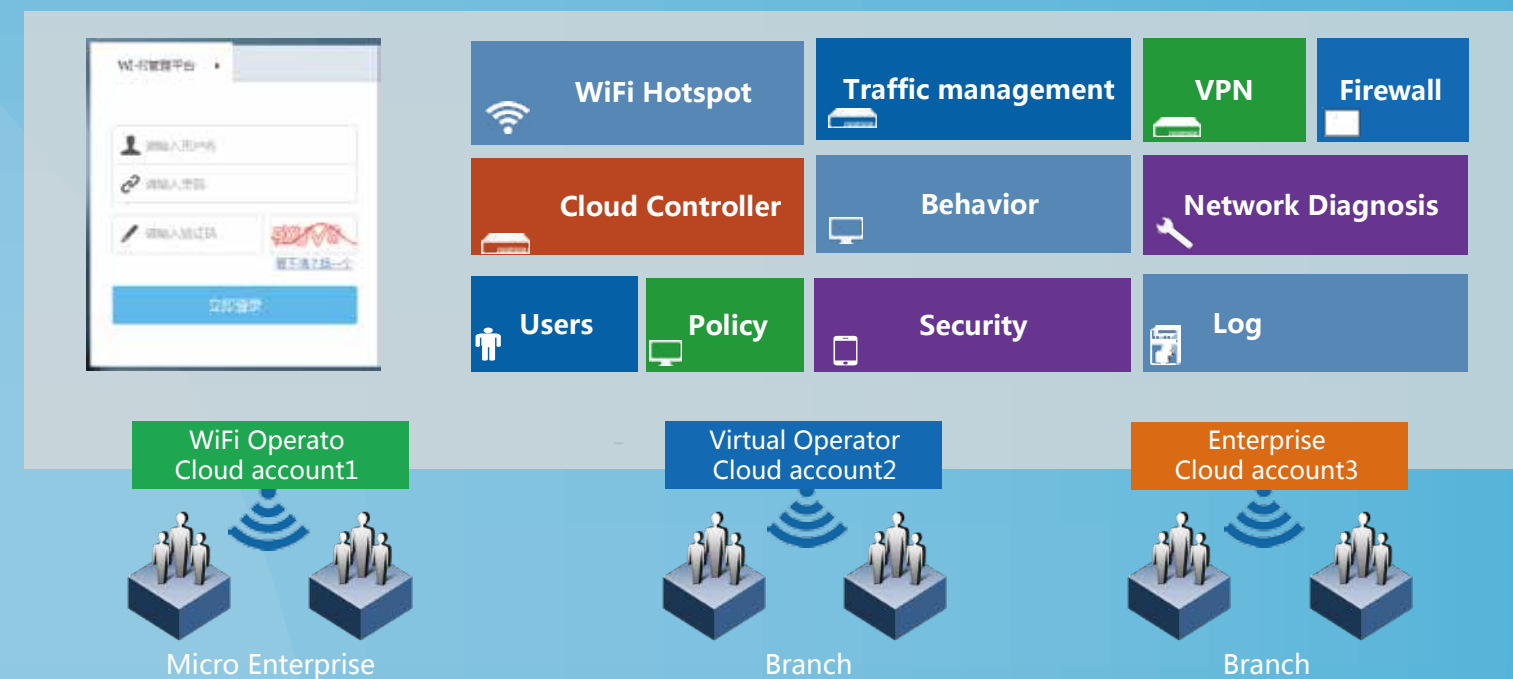Schools, Railway stations,
Hospitals

Private cloud platform mode Wi-Fi
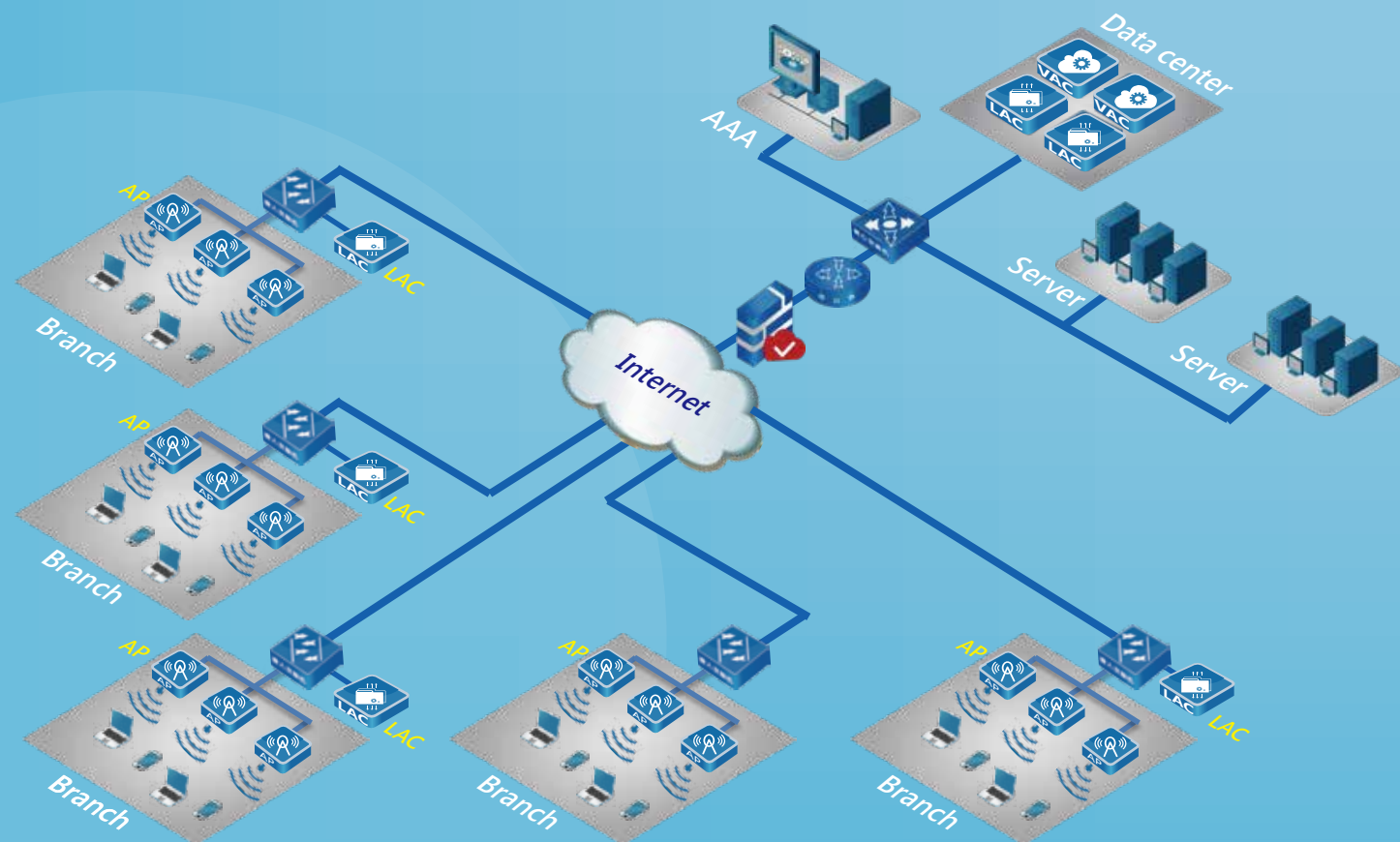
Cross-regional management system

Simply deployed at corporate headquarters Wi-Fi platform, can cross-regional unified management of all branches of their Wi-Fi network, but branches also have rights to manage independently of their local Wi-Fi network, and user management
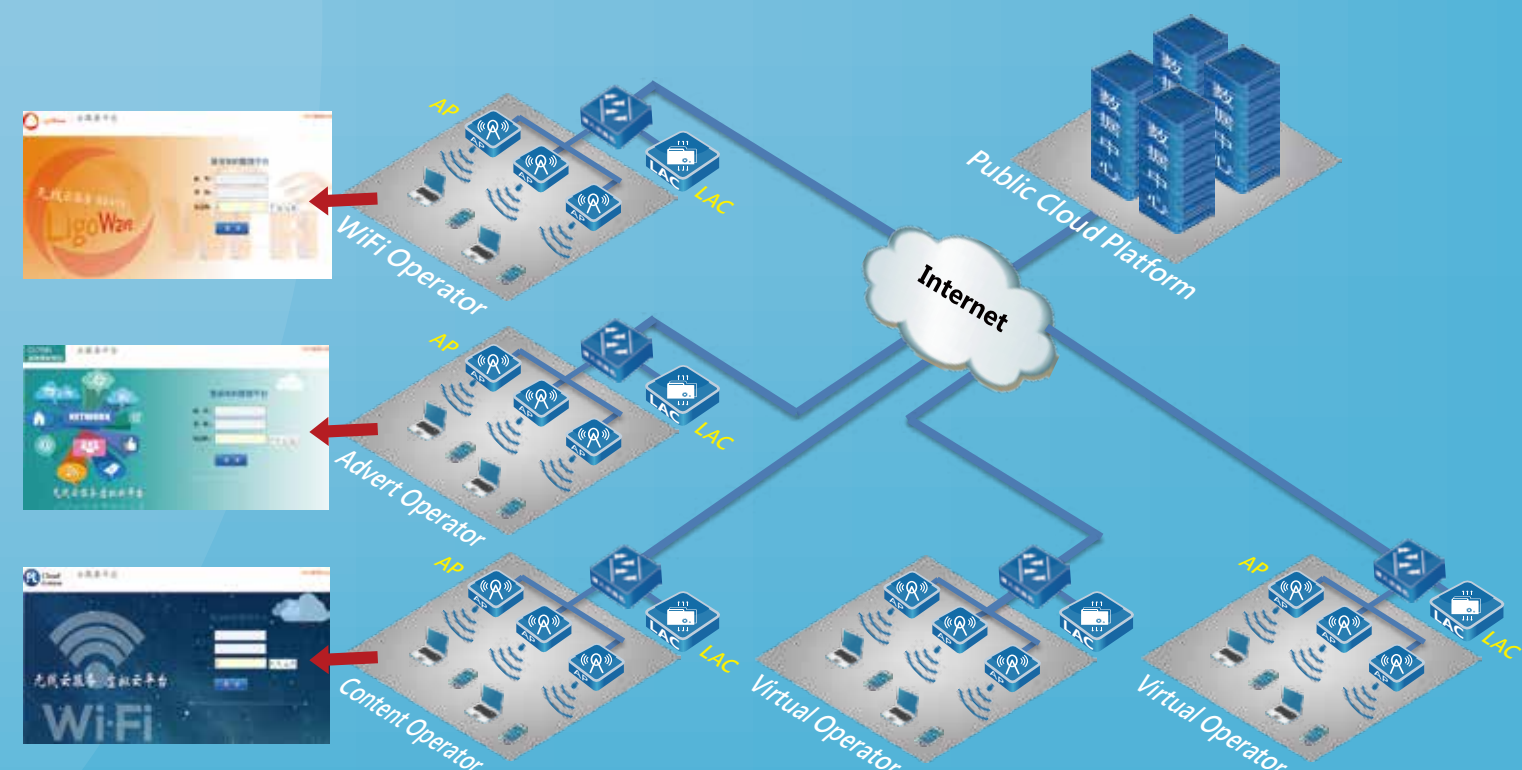
Branch   Branch   Branch   Head office message center   Branch

Virtual private cloud Wi-Fi platform : Cloud.xxxx.com.cn

WiFi Hotspot	Traffic management	VPN	Firewall
Cloud Controller	Behavior	Network Diagnosis
Users	Policy	Security	Log

WiFi Operato Cloud account1

Virtual Operator Cloud account2

Enterprise Cloud account3

Micro Enterprise   Branch   Branch

Private cloud

Data center

AAA

Server

Server

Internet

AP   LAC   LAC

Branch

AP   LAC   LAC

Branch

AP   LAC   LAC

Branch   AP   LAC   LAC

Branch   AP   LAC   LAC

Branch

Private cloud platform model

WiFi Operator   AP   LAC

Advert Operator   AP   LAC

Content Operator   AP   LAC

Internet

Public Cloud Platform

Virtual Operator   AP   LAC

Virtual Operator   AP   LAC

Virtual private cloud Wi-Fi platform- Provide Virtual

Virtual Operators

70k					
60k					
50k					
40k					
30k					
20k					
10k					

year   year   year

Local Wi-Fi operator
Owning the Wi-Fi devices and control over the
access network to internet, independent operating rights

Earning from Ads operating
Earning from Ads

Content distribution profit sharing
Get revenue from content distribution platform

Community operations
Build and operate community platform for local business to benefit from it

Build own virtual business circle, share the user group database
Independent advertising model, precision marketing, and large data mining

Diversified revenue model
SMS verification code embedded with advertising, Portal multistage page advertisements;
social tool login page embedded with advertising

Cloud Controller

LigoVAC

Item	Model	Product description	Max. Management
1	LigoVAC-L32	10/100/1000Base-T ×6, default AP manage License 128,1U	32LAC , 1024AP
2	LigoVAC-L64	10/100/1000Base-T ×6, default AP manage License 128,1U	64LAC , 2048AP
3	LigoVAC-L128	Gigabit SFP×4, default AP manage License 128,2U	128LAC , 4096AP

LigoLAC

Item	Model	Product description	Max. Management
1	LigoLAC-E32	10/100/1000Base-T ×4, 1U	32AP
2	LigoLAC-E64	10/100/1000Base-T ×4,1U	64AP
3	LigoLAC-E128	10/100/1000Base-T ×6,1U	128AP
4	LigoLAC-E512	10/100/1000Base-T ×6,1U	512AP
5	LigoLAC-E1024	Gigabit SFP×4,2U	1024AP
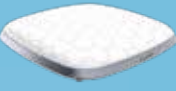
LigoWAC

Item	Model	Product description	Max. Management
1	LigoWAC32	10/100/1000Base-T ×4, default AP manage License 16,1U	32AP
2	LigoWAC128	10/100/1000Base-T ×6, default AP manage License 16,1U	128AP
3	LigoWAC512	10/100/1000Base-T ×6, default AP manage License 16,1U	512AP
4	LigoWAC2048	Gigabit SFP×4, default AP manage License 16,2U	2048AP

Products

Picture						
Model	CLN 2-90	CLN 5-90	CLN 2	CLN 5	CLN 2-9B	CLN 5-15B
Description	11n 2×2 Outdoor	11n 2×2 Outdoor	11n 2×2 Outdoor	11n 2×2 Outdoor	11n 2×2 Outdoor	11n 2×2 Outdoor
TX Power	24dBm @ MCS7	24dBm @ MCS7	24dBm @ MCS7	20dBm @ MCS7	24dBm @ MCS7	20dBm @ MCS7
Antenna angle	90	90	NA	NA	60	35
Antenna Gain	14dBi	16dBi	NA	NA	9dBi	15dBi
Transmission	300Mbps					
Power	12 ~ 24V PoE					
IP Grade	IP55	IP55	IP65	IP65	IP65	IP65
Mounting	wall/hole					

Picture						
Model	CLN 1Ni af	CLN W1	CLN 1N af	CLN 2N	CLN 2AC	CLN 3AC
Description	11n 2×2 Indoor	11n 2×2 Wall in	11n 2×2 2.4GHz	11n 3×3 Dual-band	11ac 2×2 Dual-band	11ac3×3 Dual-band
Transmission (Mbps)	300	150	300	450+450	300+866	450+1300
TX Power	24dBm@ MCS7	8dBm@ MCS7	20dBm@ MCS7	20dBm@ MCS7	23dBm@ MCS7	25dBm@ MCS7
Antenna Gain	3dBi	2dBi	2dBi	3dBi	3dBi	3dBi
Power	802.3af	802.3af	802.3af	802.3at	802.3at	802.3at

LigoWave is your best partner
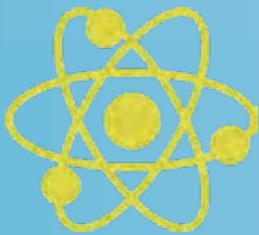
Research and development

Market-oriented, Independent research, mastered the core technology

Quality

Reliable quality products, stable customer in more than 150 countries around the world

Customer Support

Established sales support team with localization services

Technology

Mature cloud technology

LigoWave

CLOUD-BASED WIFI HOTSPOT SOLUTION EXPERT

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www.iranligowave.com