BROCHURE

ZCOM

Z-COM, Smart and Fast Network Communication

Wi-Fi Module Series-Qualcomm Solution

Wi-Fi 6 / 6E
- 4X4:4 MU-MIMO
- QCN 9074 160MHz Up to 4800Mbps
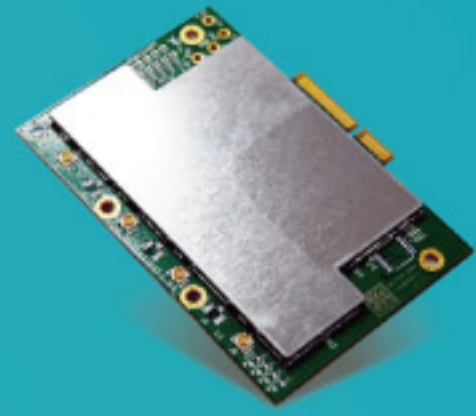- Max 21dBm per chain
- M.2 E Key Interface

Wi-Fi 5
- 4X4:4 MU-MIMO
- QCA9984
- Max 20dBm per chain
- Mini PCI-E Interface

- 2X2:2 / 3X3:3
- QCA9880
- Max 21dBm per chain
- MiniPCIe interface with PCIe 1.1

- 1x1 :1
- QCA 9377
- Max 22dBm per chain
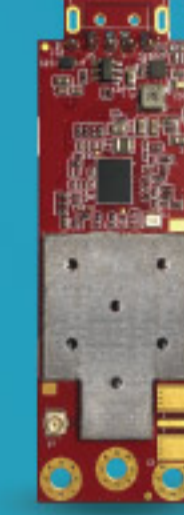- Interface USB 2.0
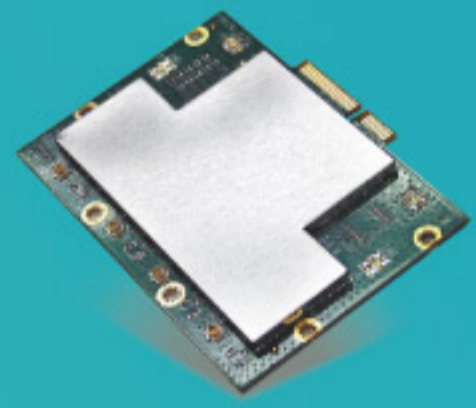- FCC certificate

AX-931
Wi-Fi 6E 6GHz

AC-924
Wi-Fi 5 5GHz
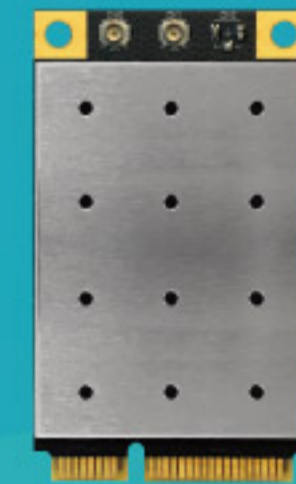
AC-928
Wi-Fi 5 3x3
2.4GHz or 5GHz

AC-720M
Wi-Fi 5 USB Module
2.4GHz or 5GHz

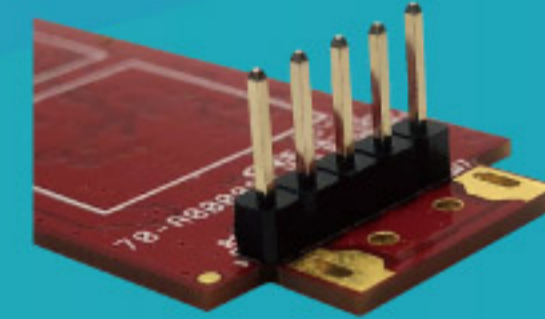**AX-930**
Wi-Fi 6 5GHz

AC-923
Wi-Fi 5 2.4GHz

AC-928
Wi-Fi 5 2x2
2.4GHz or 5GHz

Production
Design for manufacturability and with its own production lines

Capability R & D
Customized RF high power / Industrial/ Small form factor design
EMC compatibility & Reliability Test
RF related patents
Firmware development
Cross platform software integration

Quality
control with strict standards
Quality of all manufacturing processes from design, manufacturing to service is reviewed and refined

With various certifications
ISO9001 ‧ ISO14001
REACH ‧ RoHS

Cooperate with Z-COM, planning your projects

Z-COM with software & hardware R&D experiences nearly 30 years in Wi-Fi industry is committed to fulfill its social and environmental responsibilities and expect our suppliers to share this commitment.

ISO 9001
CERTIFIED
GUARANTEE

ISO 14001
CERTIFIED
GUARANTEE

RoHS
COMPLIANT

REACH

Z-COM Wi-Fi 6 / 6E Product

Coverage

SP250 Outdoor AP

2.4GHz / 5GHz Concurrent
Omni-directional antennas
for coverage

PTP/Coverage

SP250-S5 Outdoor AP

2.4GHz / 5GHz Concurrent
2.4GHz for coverage
5GHz directional antennas
for PTP Long Distance

5G NR/4G LTE

SP250-A03/A04 Backhaul AP/ Gateway

2.4GHz / 5GHz Concurrent

IP67 Rating

Windproof

Coverage

2023

AS270 High-performance Indoor AP

2.4GHz / 5GHz Concurrent
Omni-directional antennas for
coverage
Supported Rates up to 5.3 Gbps

Coverage

AS240 Entry-level Indoor AP

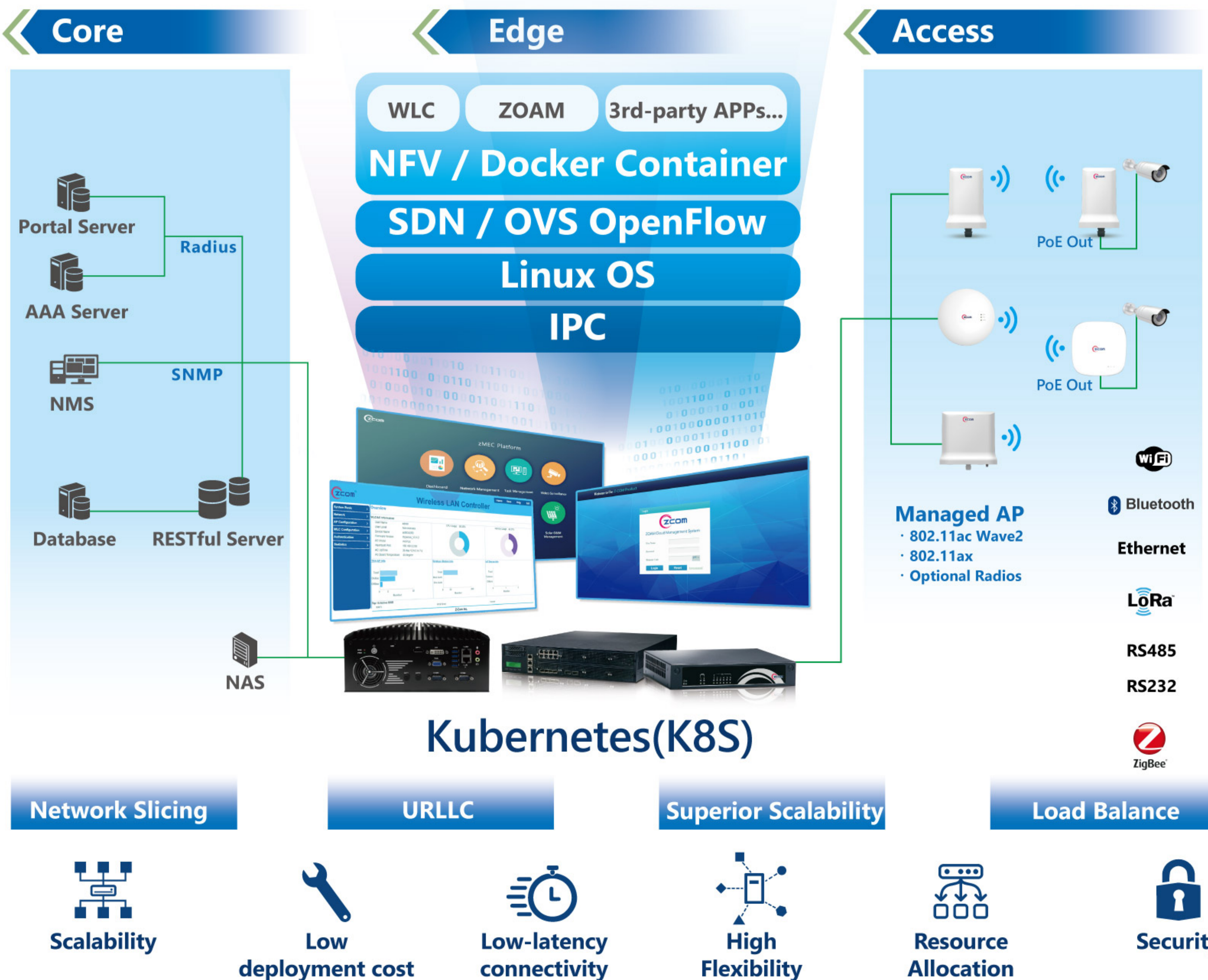2.4GHz / 5GHz Concurrent
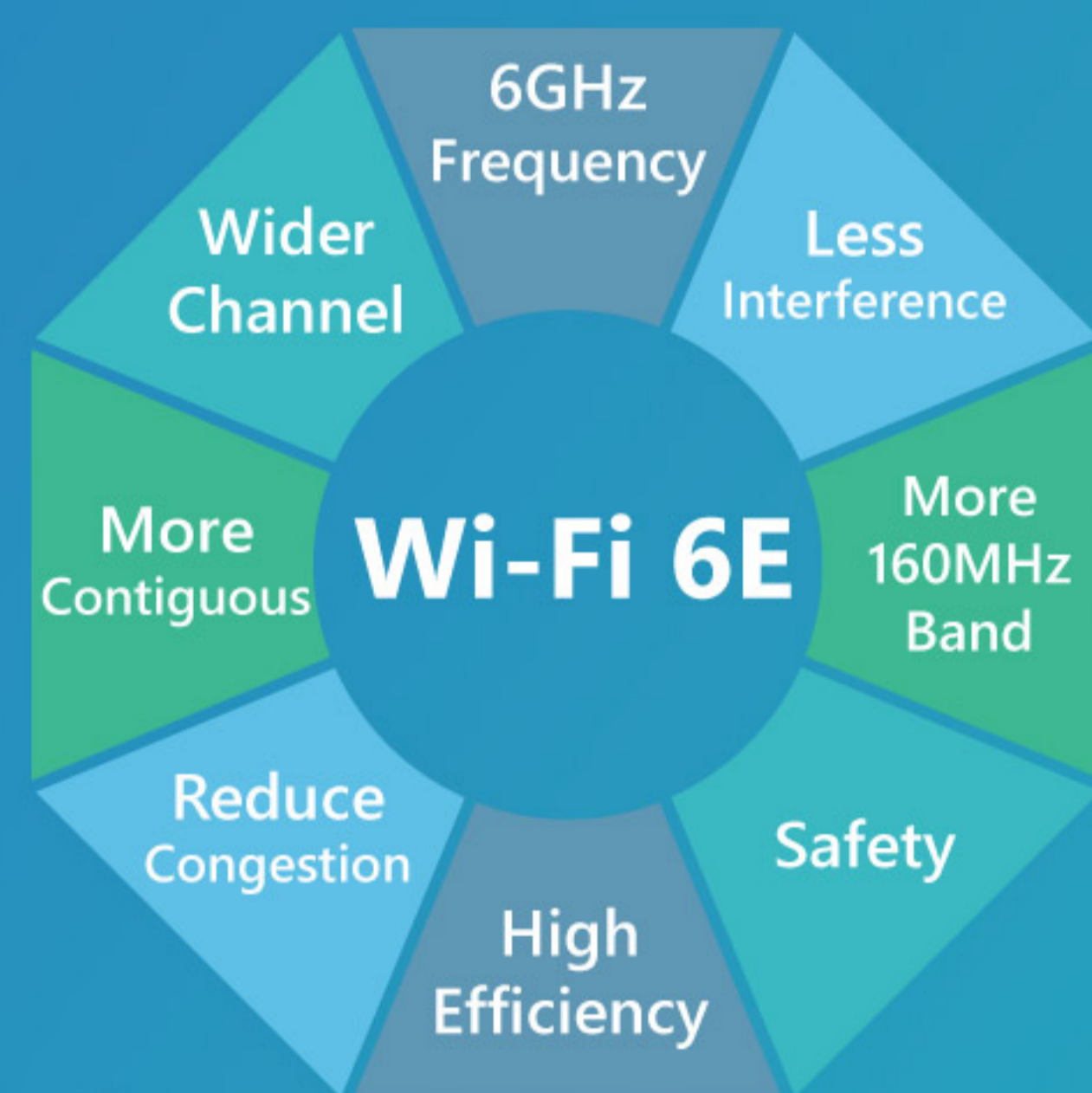Omni-directional antennas for coverage

Versatile Placing Options

Simple Design

zMEC Edge Computing Platform

Core

Edge

Access

Portal Server

Radius

AAA Server

SNMP

NMS

Database   RESTful Server

| WLC | ZOAM | 3rd-party APPs... |

NFV / Docker Container

SDN / OVS OpenFlow

Linux OS

IPC

NAS

Kubernetes(K8S)

PoE Out

PoE Out

Managed AP
· 802.11ac Wave2
· 802.11ax
· Optional Radios

WiFi

Bluetooth

Ethernet

LoRa

RS485

RS232

ZigBee

| Network Slicing | URLLC | Superior Scalability | Load Balance |

Scalability

Low deployment cost

Low-latency connectivity

High Flexibility

Resource Allocation

Security

Access Point Features Highlight

Wide Temperature

High Power

PoE Out

km Transmission

Wi-Fi 6
- OFDMA
- TWT
- 1024 QAM
- BSS Coloring
- MU MIMO
- Channel Bonding
- Airtime Efficiency
- WPA3

MU-MIMO

5 GHz Priority

Anti-tamper Lock

Strongest Competitiveness

Wi-Fi 6E
- 6GHz Frequency
- Less Interference
- Wider Channel
- More 160MHz Band
- More Contiguous
- Safety
- Reduce Congestion
- High Efficiency

WLC
Deploy a manageable, Intelligent, Easy Network

The Z-COM wireless LAN controller (WLC) with centralized network management developed for Small and Medium Business (SMBs). It brings together Z-COM intelligent software and RF excellence to create a best wireless experience for your growing organization.Designed for fast, easy-to-use and intelligent platform, WLC series is ready for enterprise to manage access points as a total solution to strengthen your business operations and investment protection.Perfect for businesses who are eager to wireless service such as video streaming, secure access control, flexible deployments, and future IoT, ideal for communities, campus, factories, and hospital, etc.Opens a completely new paradigm in network configuration, operation, and monitoring through network optimization.

Cutting-Edge Technologies

Fast Roaming
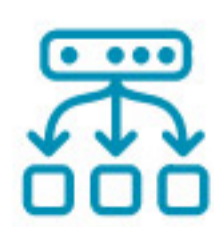
Auto Channel Selection

Bandwidth Control

5GHz Priority

Load Balance

Auto Power Adjustment
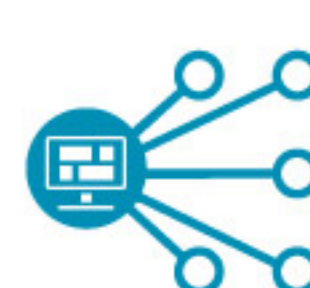
Key Features

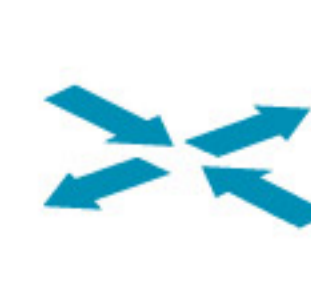**GUI**

Centralized Management

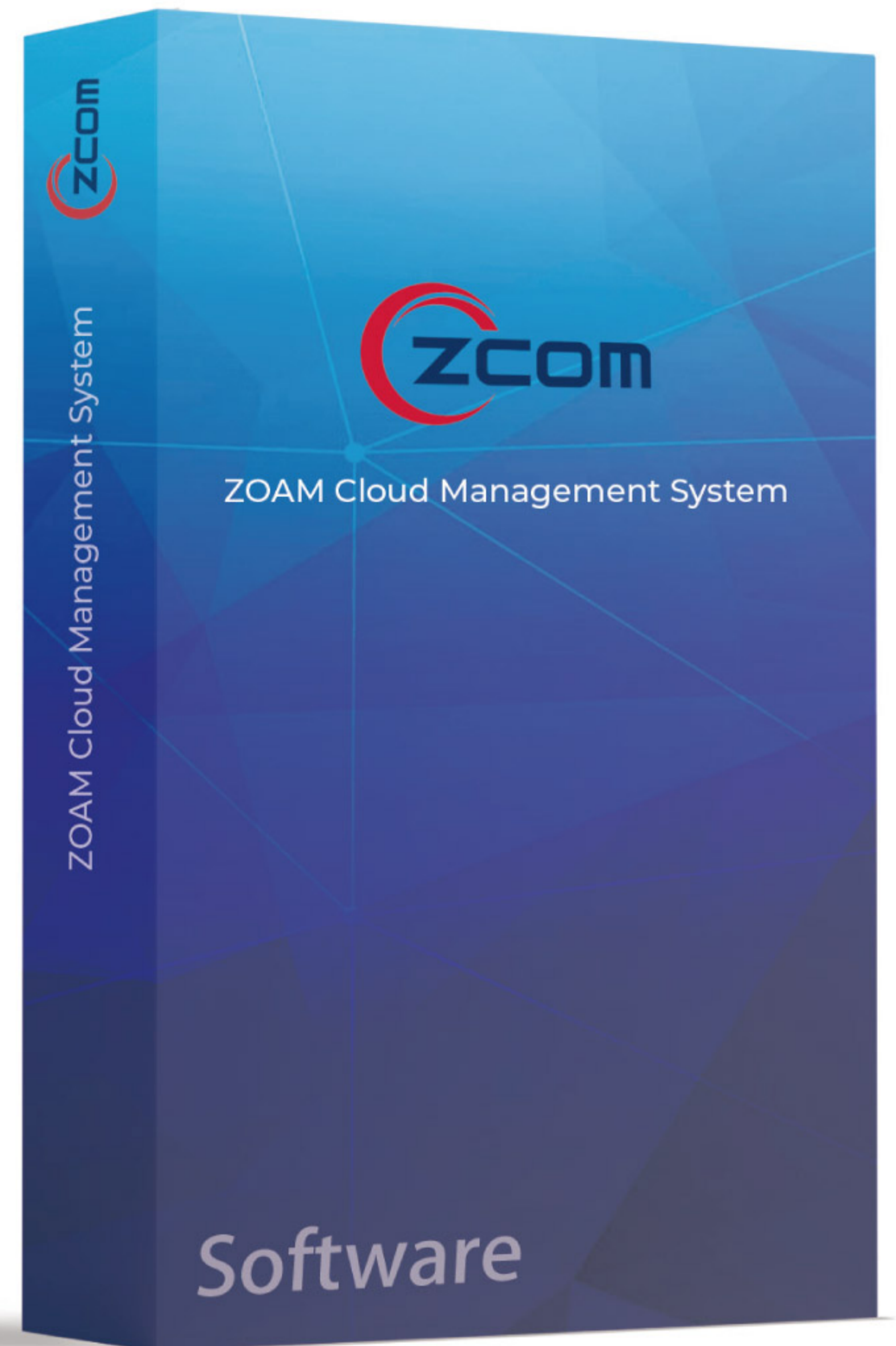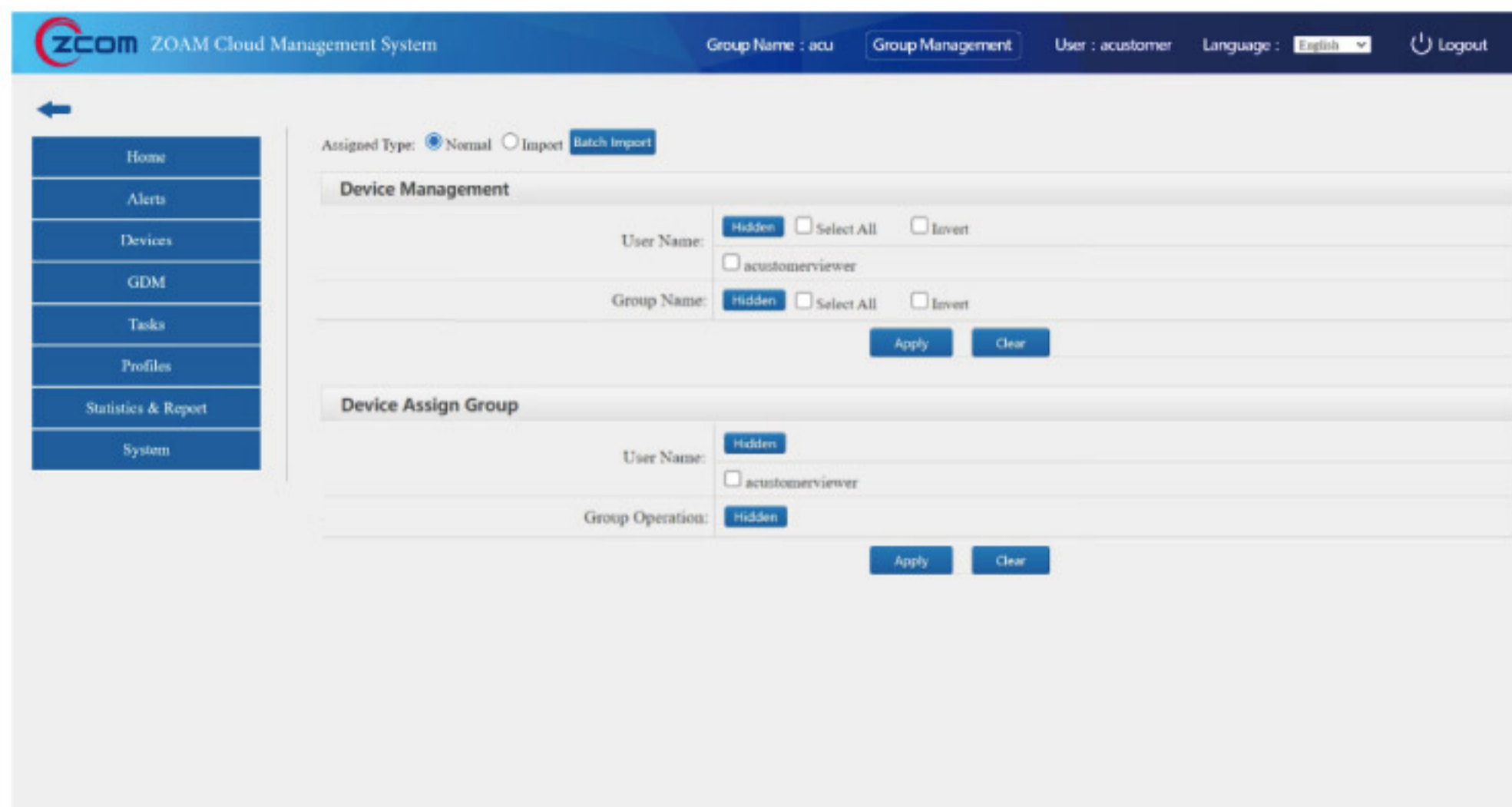**Real-Time Monitoring**

Remote Troubleshooting

N+1 Backup

Central Forwarding

ZOAM Cloud Management System

Customize network settings according to budget and demands including one-stop centralized intuitive operation, management of complex system environment, remote insight into user status, real-time data monitoring of equipment operation, and optimal configuration partner for fault diagnosis and maintenance!

- **Reduce cost of network planning**

- **Plug and play**
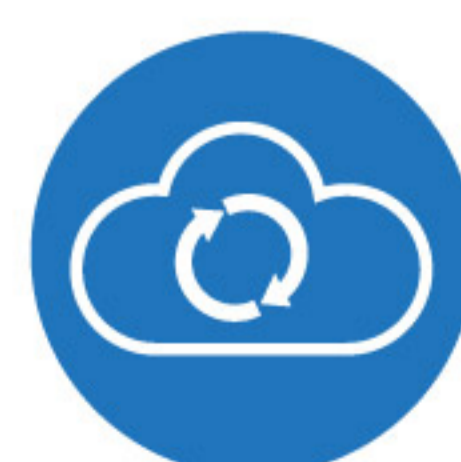
- **Remote monitoring of work status of equipment**

- **Performance analysis of wireless network**
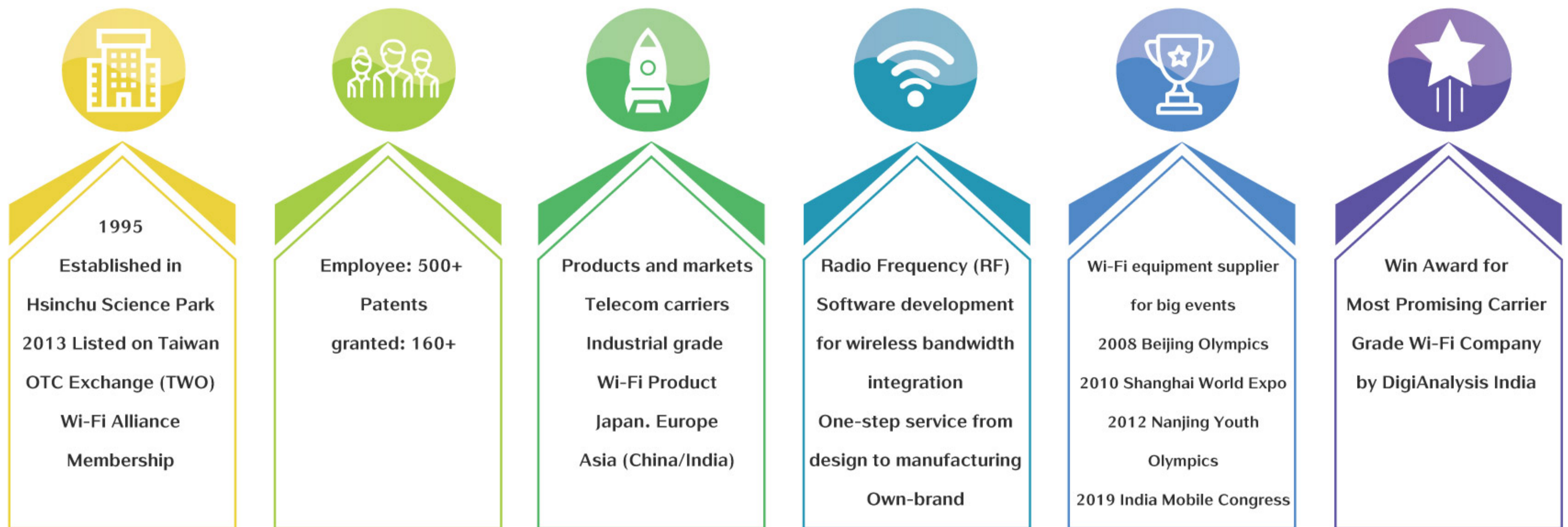
- **Cross time zone management**

- **Real-time notice of device exception**

- **Remote system (FW) upgrade**

About Z-COM

Headquartered in the Hsinchu Science Park in northern Taiwan, Z-COM was established in 1995 and was listed on Taiwan OTC Exchange (TWO) in 2013 that has been dedicated to hardware and software R&D, and manufacture wireless networking solutions for decades. With abundant technical expertise, Z-COM has been successfully assisting Telecom carriers to launch large scale of wireless broadband network deployments for Wi-Fi offload and smart cities applications by leveraging with core technologies of wireless system design and broadband software integration. Nowadays Z-COM has deployed millions of carrier class access points worldwide and business across Europe and Asia, offering over 500 million users connecting to Internet through Z-COM devices, enjoying a real-time digital life. Z-COM is one member company of Wi-Fi Alliance as well.

1995 Established in Hsinchu Science Park 2013 Listed on Taiwan OTC Exchange (TWO) Wi-Fi Alliance Membership	Employee: 500+ Patents granted: 160+	Products and markets Telecom carriers Industrial grade Wi-Fi Product Japan. Europe Asia (China/India)	Radio Frequency (RF) Software development for wireless bandwidth integration One-step service from design to manufacturing Own-brand	Wi-Fi equipment supplier for big events 2008 Beijing Olympics 2010 Shanghai World Expo 2012 Nanjing Youth Olympics 2019 India Mobile Congress	Win Award for Most Promising Carrier Grade Wi-Fi Company by DigiAnalysis India

Entering into 5G, wireless broadband networks will connect not only people to people, but also people to things and machine to machine. A new era with everything connected is coming. Z-COM will keep focusing on the updated wireless communication standards of 5G, WiFi, Bluetooth, Zigbee, etc., following the SDN/NFV and mobile edge computing trend, to develop solutions with hardware and software of next advanced wireless networking technologies. Partner with our system integrator and Telco carrier clients, we strive to answer the future demands on faster wireless broadband connectivity and "smarter" AIoT applications for surveillance, education, manufacturing, transportation and many others.

+886-3-5777364

www.zcom.com.tw

z-com@zcom.com.tw
sales@zcom.com.tw

5F, No. 8, Hsin-Ann Road, Hsinchu
Science Park, Hsinchu 300, Taiwan