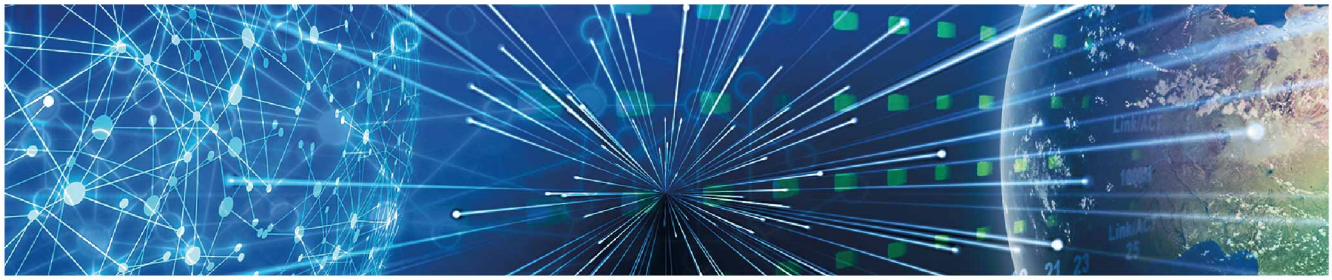
ZCOM

Manageable Wireless Solution

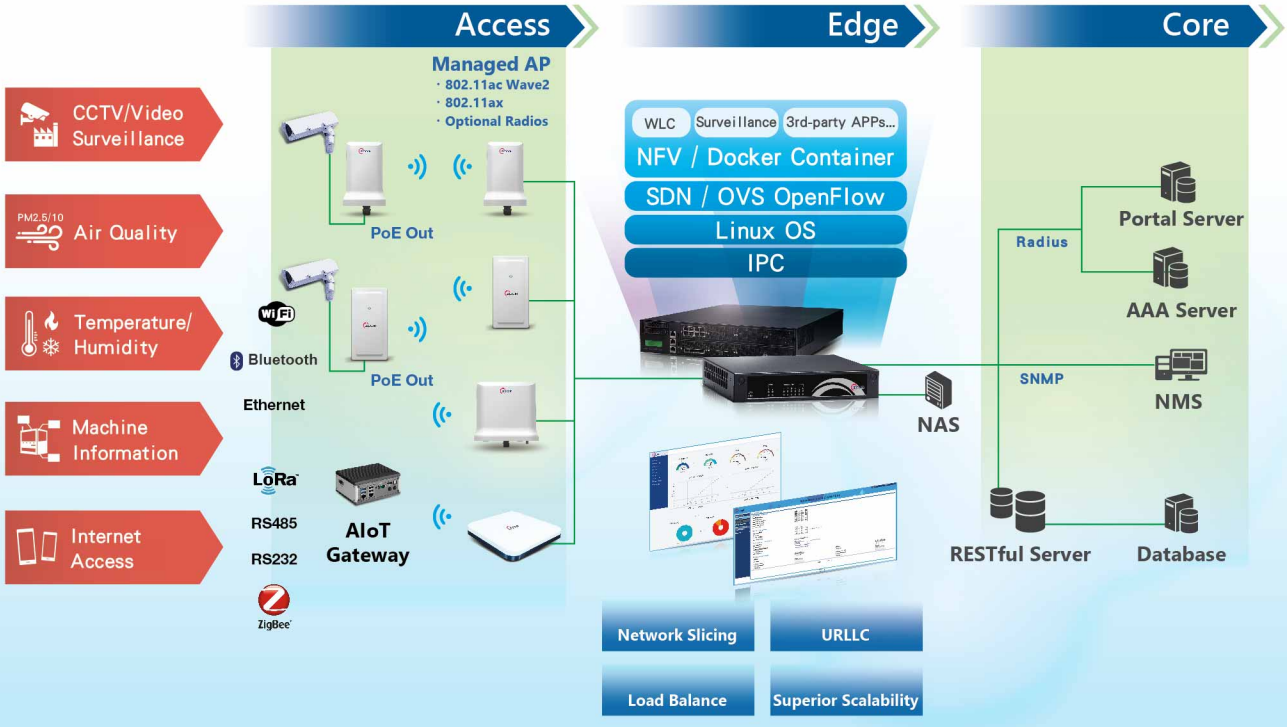
MEC (Multi-Access Edge Computing) Solution



By using system virtualization technology, the distributed physical interfaces can be bundled up into single logical connections to simplify network topologies and operations. Z-COM MEC (namely zMEC) is a highly-extensible PaaS (Platform as a Service) which can manage applications via SaaS (Software as a Service) to have maximum synergy. zMEC separates control and data planes and uses in-container multi-tenancy model, where the resource utilization is maximized across tenants. It meets AIoT scalable application and 5G high resource utilization needs at low hardware cost. It can facilitate comprehensive applications, including real-time, streaming and visual recognition data analytics on-demand.

Features

- Quickly integrates and migrates software or third-party applications through Kubernetes-based container
- Network slicing partitions the network into independent operation units of various applications for a specific business purposes
- SDN — Reduces the dependence of hardware platform through SDN technology.
- Edge computing for low latency, improving network efficiency.



Carrier-Grade Managed Wi-Fi

The new combination of Z-COM WLCs and indoor and outdoor access points brings to converged management the same attributes that have made it the best choice. Not only integrate Wi-Fi with 3G/4G core networks to create network for seamless roaming with different RF, but also supports various communications protocols and call flows which correspond to AAA, 802.1x, captive portal...etc. The WLC is a central managed system developed for Small and Medium Business (SMBs), and is ideal for high density application scenarios, such as smart city, rural Wi-Fi...etc. It brings together Z-COM intelligent software and RF excellence to create a best wireless experience for your growing organization.

Features

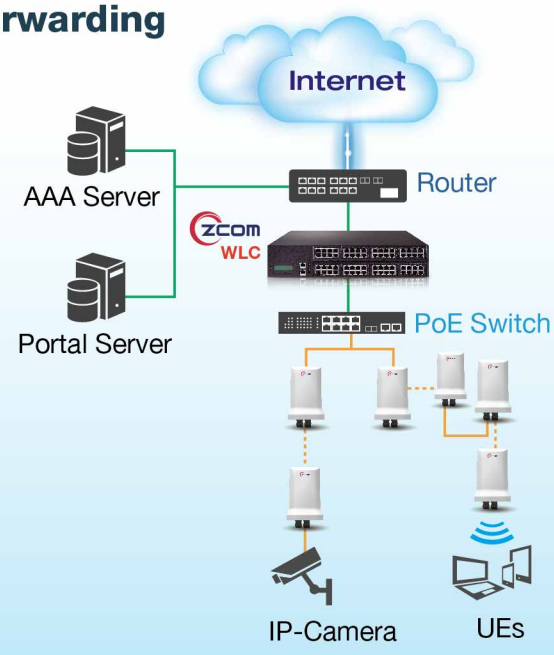
Abundant experience in telecom collaborations for integrating Wi-Fi into telecom service systems

Centralized management platform to optimize performance and efficiency

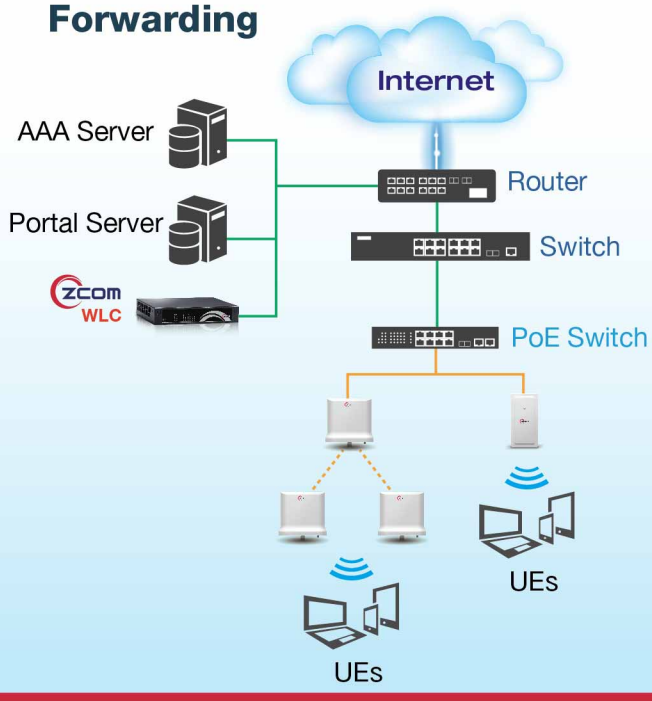
Call flows and various access security schemes will enhance security of the network.

A wide range of carrier-grade wireless access points for deployments in various environments

Central Forwarding



Local Forwarding



Wireless Network for AIoT

The next Z-COM wireless network will introduce Software Defined Network (SDN) architecture, with Edge Computing concepts for Artificial Intelligence of Things (AIoT) applications. The solution offers higher wireless bandwidth, and separates control and data plane for both edge computing. It provides customized equipment and software with compatibility, stability, scalability, and security for mobile network operators and private networks. Z-COM solutions offer best cost/performance value, with rapid deployment and easy management tools that help telecom operators reduce capital investments and operating expenses, accelerate cost recovery and increase profits.

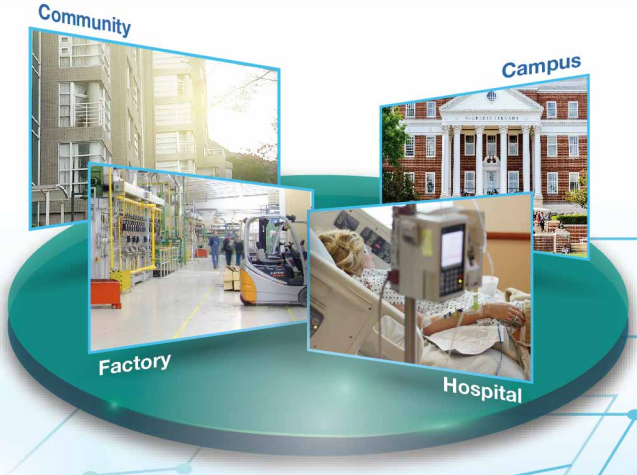
Features

Designed for centralized authentication and authorization to eliminate the requirements to configure and update individual devices

Simultaneously connects IP-CAMs, giving high quality of video streaming

Prioritizes certain data flows in a network over others for efficient operation.

Deploys centralized management system via easy-to-setup and seamless software upgrades



Flexible and Easy Management

- Flexible to scale your business with an easy migration to Z-COM software
- Virtual APs for deploying different services without interference between data.

High-speed and Reliable Wi-Fi Network

- Provide high-speed and reliable Wi-Fi user experience
- Secure and stable connectivity with N+1 Redundancy
- Leverage superior RF performance with Beamforming

Surveillance Applications

- Simplified installation
- Optimized for video streaming
- Provide bandwidth essential for high resolution cameras

Outdoor Access Point

	SP220V2	SP220V2-F	SP220V2-E	SP420	SP420-F	SP230	SP230-S5
Standards	802.11b/g/n 802.11an/ac Wave 2			802.11b/g/n 802.11an/ac Wave 2		802.11b/g/n 802.11an/ac Wave 2	802.11b/g/n 802.11an/ac Wave 2
Radio Chains	2.4GHz: 2x2:2 5GHz : 2x2:2			2.4GHz: 4x4:4 5GHz: 4x4:4		2.4GHz: 2x2:2 5GHz: 2x2:2	2.4GHz: 2x2:2 5GHz: 2x2:2
Max. Transmit Power	2.4GHz: 30dBm 5GHz: 27dBm			2.4GHz: 26dBm 5GHz: 26dBm		2.4GHz: 30dBm 5GHz: 27dBm	
Antenna	2.4GHz: 5dBi (Embedded) 5GHz: 6dBi (Embedded)		2.4GHz: 5dBi (Embedded) 5GHz: External connector	2.4GHz: 5dBi (Embedded) 5GHz: 5dBi (Embedded)		2.4GHz: 5dBi (Embedded) 5GHz: 5dBi (Embedded)	2.4GHz: 5dBi (Embedded) 5GHz: 11dBi (Embedded)
Interface	2 x 1GbE (RJ45)	1 x 1GbE (RJ45) 1 x 1GbE (SFP)	2 x 1GbE (RJ45)	2 x 1GbE (RJ45)	1 x 1GbE (RJ45) 1 x 1GbE (SFP)	2 x 1GbE (RJ45)	
Surge Protection	Yes						
Bluetooth	4.1						
Certifications	CE / SRRC RoHS / WEEE						

Indoor Access Point

	AS220V2	AS420
Standards	802.11b/g/n 802.11an/ac Wave 2	
Radio Chains	2.4GHz: 2x2:2 5GHz: 2x2:2	2.4GHz: 4x4:4 5GHz: 4x4:4
Max. Transmit Power	2.4GHz: 30dBm 5GHz: 27dBm	2.4GHz: 26dBm 5GHz : 26dBm
Antenna	2GHz: 2dBi (Embedded) 5GHz: 2.5dBi (Embedded)	
Interface	2 x 1GbE (RJ45)	
Bluetooth	4.1	
Certifications	CE / SRRC RoHS / WEEE	

Wireless LAN Controller

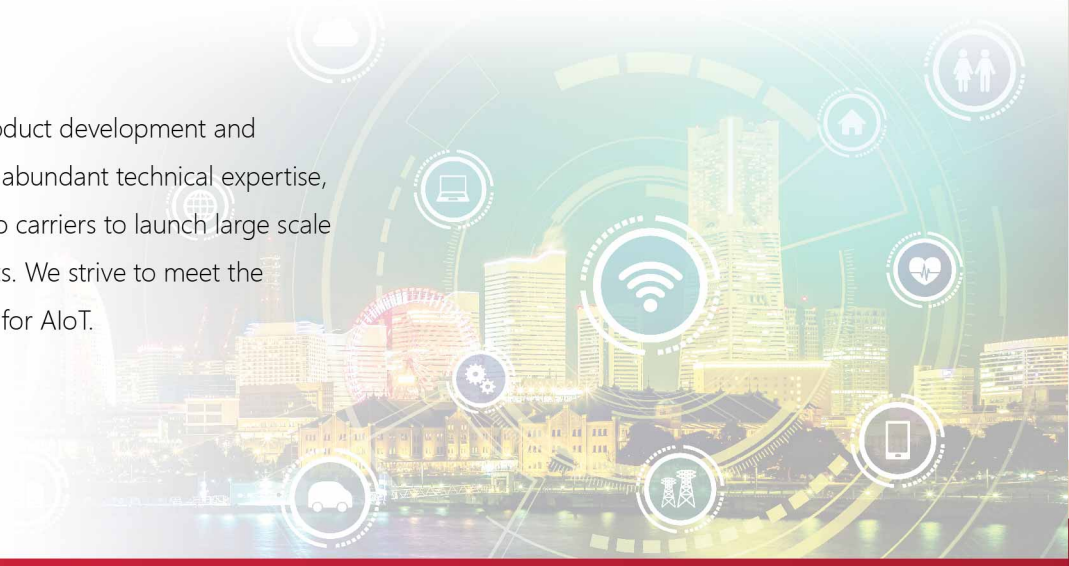





		WS1000G2	WS500G2	WS200G2	WS10G2	WS7G2	WS5G2
Hardware	Form Factor	2U	1U				
	CPU	2 x Intel Xeon (14 Cores)	2 x Intel Xeon (8 Cores)	1 x Intel Xeon (8 Cores)	Intel Atom(8 Cores)	Intel Atom(4 Cores)	Intel Celeron
	Memory	DDR4 128G	DDR4 32G	DDR4 16G	DDR4 32G	DDR4 16G	DDR3 8G
	Storage	SSD 128G / 1T 2.5" SSD (Optional)	SSD 64G	SSD 64G	SSD 64G	SSD 64G	SSD 64G
	IPMI	Yes					
	Power Supply	800W AC PSU Redundancy	220VAC Redundancy	220VAC Redundancy	12V/7A DC Adaptor	12V/5A DC Adapter	
	Dimension (HxWxL)	88 x 438 x 600 mm	44 x 438 x 630 mm	44 x 438 x 630 mm	44 x 231 x 197 mm	44 x 231 x 197 mm	44 x 231.9 x 152 mm
Network	10/100/1000Base-Tx	8 x RJ45	8 x RJ45	8 x RJ45	6 x RJ45	6 x RJ45	4 x RJ45
	10G Base-SR	4 x SFP+	8 x SFP+	4 x SFP+	4 x SFP+	2 x SFP+	-
	40G Base-SR	2 x QSFP	-	-	-	-	-
	L2 Switch Capacity	YES					
	Connection Architecture	OpenFlow1.3			-	-	-
Capacity	Thin APs	8,192	4,096	2,048	512	256	128
Reliability	1+1/ N+1 Backup	1 + 1 / N + 1			1 + 1		

About Z-COM

Z-COM focused on wireless networking product development and manufacturing since founded in 1995. With abundant technical expertise, Z-COM has been successfully assisting Telco carriers to launch large scale of wireless broadband network deployments. We strive to meet the future needs on faster wireless connectivity for AIoT.



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