



PRIVATE NETWORK SMB/INDUSTRY Wireless LAN Controller



The Z-COM WS5/7/10G2 series is a 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, WS5/7/10G2 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.

The WS5/7/10G2 series opens a completely new paradigm in network configuration, operation, and monitoring through network optimization.



Wired & Wireless Integration

Integrates wired and wireless platform, giving resilient and wide coverage.



Multimedia

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



Security

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



Simple & Reliable Network

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



Quality of Service

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



User-Friendly GUI

Simplifies device management and monitoring with an intuitive dashboard interface design.



Series Products

		WS5G2	WS7G2	WS10G2
CPU	Model	Intel	Intel	Intel
	Quantity	1	1	1
Memory		DDR3 8GB	DDR4 16GB	DDR4 32GB
	1GbE RJ45	4	6	6
Management Ports	10GbE SFP+	-	2	4
	40GbE QSFP	-	-	-
Storage		SSD 64G	SSD 64G	SSD 64G
Chassis		1U	1U	1U
L2 Switch Capability		Yes	Yes	Yes
Power Supply		12V/5A DC Adapter	12V/5A DC Adapter	12V/7A DC Adapter
AP Capacity		128	256	512

Power	WS5G2: 12V/5A DC Adapter WS7G2: 12V/5A DC Adapter WS10G2: 12V/7A DC Adapter
Dimensions (L) x (W) x (H) mm	WS5G2: 232 x 152 x 44 WS7G2: 231 x 197 x 44 WS10G2: 231 x 197 x 44
Weight	WS5G2: 2.7 Kg WS7G2: 2.7 Kg WS10G2: 2.7 Kg
Interfaces	WS5G2: 4 x RJ45
	WS7G2: 6 x RJ45 2 x SFP+
	WS10G2: 6 x RJ45 4 x SFP + Environmental Conditions Operating Temperature: 0°C ~ +40°C Operating Humidity: 10% ~ 95% (non-condensing)
NETWORK ARCHITECTURE	
IP	IPv4, IPv6
VLAN	Supported
Redundancy	1+1 Backup Supported
DHCP Server	Supported
Fast Roaming	Supported
RF Management	5G Priority Auto TX Power Control Auto Channel Selection
Routing	Static Dynamic
APPLICATIONS	



Mesh Coverage	Supported
WDS	Supported
CERTIFICATIONS	IEC/EN 60950 EN55032 & EN55024 WEEE & RoHS EN 61000-3-2 EN 61000-3-3
SECURITY	
Standards	802.11x, WPA, WPA2, WPA3
Access Control	Access Time Schedule MAC ACL
UE Authentication & Accounting	Supported
User Isolation	Supported
Rogue AP Detection	Supported
IGMP Snooping	Supported
DHCP snooping	Supported
DoS attack prevention	CLI WEB UI GUI SNMP
Packets Limitation	Supported
CAPACITY	
Managed APs	WS5G2: 128 (Thin APs) WS7G2: 256 (Thin APs) WS10G2: 512 (Thin APs)
UE Data Traffic	WS5G2: 2Gbps WS7G2: 5Gbps WS10G2: 10Gbps
MAC Address Table	WS5G2: 8K WS7G2: 16K WS10G2: 30KProtected EAP (PEAP) EAP-Subscriber Identity Module (SIM) *Above partial functions should be configured by Z-COM Wireless LAN Controllers (WLC)
MULTIMEDIA & QoS	



PRIVATE NETWORK SMB /INDUSTRY Specifications

802.11e/WMM	Supported
Load Balance	Between APs Based on Numbers of UEs Between APs Based on Traffic
Bandwidth Control	User Specific VLAN Users MAC Users Radius Users
SUPPORTED WIRELESS STANDARDS	
802.11a 802.11b 802.11g 802.11n 802.11ac 802.11r 802.11k 802.11v 802.11d 802.11e	