Business Access Point

INTRODUCTION

LANZONE Business AP product series is the business wireless access point for WLAN deployment. WiFI access is indispensible today. Not only for offices but also all public access like hotel hospital and campus require it. To meet installation in environments, various elegant style housing and mounting options are provided. Scalable RF product model is also optional for cost effective choice, including 2.4GHz and the latest 5GHz 802.11ac. To enhance access quality, WMM, 802.11q QoS, seamless roaming and load balance are fundamental functions. Enterprise grade security can guarantee full safety. All AP can be monitored and controlled easily.

Feature and Benefits

Full RF Technology for Deployment

Full series WiFi technology, based on MIMO 11n 2.4G/5G,11ac-5G, scalable from 300 /N600 /AC1200 /AC1750, easy for deployment choice Automatic control of AP transmit power and channel allocation ensure coverage by minimizing interferences, easy for RF planning Increased wireless coverage over large areas with point-to-point and point-to-multipoint bridging via Wireless Distribution System (WDS).

Maximizes Deployment Flexibility

Designed with easy and flexible mounting options, such as ceiling, in-wall plate, wall mount, desktop Lowered deployment costs with integrated Power over Ethernet for areas where power source is unavailable

Multiple SSID and Tag VLAN

Segmented guest and corporate access with multiple

Enhances Access Quality by QoS, Roaming, Load Balance

Supports IEEE 802.11e Wireless Multi-Media to fulfill bandwidth demanding triple-play (voice, audio and video) applications Supports IEEE 802.1p Priority / IEEE 802.1q Quality of Service (QoS) tagging features Enable wireless users to seamless roaming while being continuously connected to the network Clients or bandwidth regulable load balance avoids AP traffic jam.

Robust Security Meets Enterprise Grade

Comprehensive wireless security feature with WPA, WPA2, and 802.1x with RADIUS support when combined with server. Layer 2 firewall capability blocks unwanted traffic, reducing network overheads and providing an extra layer of security. Protect against intruders via advanced wireless rogue AP detection algorithms.

Integrated with AP Controller for Well Management

Controller function managing intranet AP can discover,

SSIDs, and standard based VLAN configurations It can create numbers of Virtual APs (VAP), each with its own ESSIDs, Each VAP appears to clients as an independent AP and its traffic can be associated with a particular VLAN ID Tag Ethernet LAN traffic with various VLAN IDs in order to direct traffics to different virtual service zones

Cost Effective Optional Printer Server and NAS Function

USB printer or USB NAS cost effective function for small office convenience and benefit.

add/edit AP list, set RF & AP related parameters, monitor AP, upgrade FW, reboot AP. AP bandwidth management, load balance and fast roaming for quality client access. User authentication by user password or captive portal based on Radius/LDAP/AD se It can be local control, and can be remote tunnel AP management

Function List

Interfaces		Basic Functions	
Ethernet	10/100, Gigabit, PoE	**Ethernet**	Static IP (LAN IP, Subnet Mask, Class B/C*), Dynamic IP, IPv4 & IPv6.
WiFi	2.4G, 5G, Concurrent Dual Band for 802.11n & 11ac WiFi, High Transmit Power	**VLAN**	Port-based, Tag-based
Bridge	AP, WDS, WDS Hybrid, Universal Repeater	**WiFi Op. Mode**	AP Only, WDS, WDS Hybrid, Universal Repeater Modes
Systems		**WiFi Function**	Multi-SSID, WPS, WMM, WEC, Automatic Channel Selection, Adjustable Output Power, WLAN Partition
System	System Status & Statistics, System Time, System Tools, Time Scheduling*, Reset System, Reboot System, FW Upgrade, Backup & Restore Settings.		
Advanced Functions		**WiFi Roaming**	IAPP & PMK Cache*
Firewall	Bridged SPI Firewall, Wireless IPS*	**WiFi Security**	WEP, WPA,WPA2, WPA-PSK, WPA2-PSK, 802.1x
Access Control	MAC Address Control , Packet Filters	**WiFi Clients**	8/16 SSIDs, 16 Clients per SSID, 128/256 Active WLAN Clients.
QoS & BWM	Policy-based Bandwidth Control and Packet Flow Prioritization based on MAC/VLAN Tag/IP/TCP/UDP/Wellknown Service	**IPv6**	Static IP/Dynamic IP, Global Addr. & Link-local Addr., DHCPPD, Stateless/Stateful Address Auto-configuration, MLD, ICMPv6, Neighbor Discovery.
		Applications	
VPN	IPSec Tunneling for remote AP Management with X.509 Certificate*.	**USB App**	NAS, Printer Server
Management			
System Mgmt	Web, Telnet CLI, SNMP, TR-069		
AP	Auto Discovery, Monitoring & Alerting,		

Management AP Configuration	Profile- based Configuration, CAPWAP WiFi Control, System Control, LAN&VLAN Control, IPv6 Control, MAC Control, Packet Filters Control.(Can be set locally, can be controlled remotely)
AP Load Balance	Max. STA Clients to Balance Loading, Prioritize Virtual AP to Differentiate Services, Bandwidth Guarantee STA Client for Quality of Service.

* Subject to respective model

Technical Specifications

Model	LZ-APC762-P01	LZ-APC772-P02 / LZ-APC774-P02	LZ-APW772-P02	LZ-APD774-U04	LZ-APP762-P02
Product Photo					
Device Interface					
Ethernet	1xRJ45 FE (inc. 1x 802.3af PD)	1xRJ45 GbE (inc. 1x 802.3af PD)	2xRJ45 GbE (inc. 1x 802.3af PD)	4xRJ45 GbE	2xRJ45 FE (inc. 1x 802.3af PD)
Wireless LAN	11n 2Tx2R	11n 2Tx2R / 11ac 2Tx2R + 2.4G 2Tx2R	11n 2Tx2R	11ac 2Tx2R + 2.4G 2Tx2R	2.4G 2Tx2R
Max. Transmit Power	22dBm	26dBm	26dBm	22dBm	22dBm
Antenna	2 x 4dBi WiFi	2x 4dBi WiFi / 2 x 4dBi WiFi+ 2 x 5dBi (5GHz)	2 x 5dBi WiFi	3x 3dBi WiFi 1x 3dBi WiFi (PiFA)	2x 3dBi WiFi
Expansion Slot	-	-	-	1x USB 3.0 for Storage 1x USB 2.0 for Printer	2xRJ11 FXS (pass-through)
Functionality					
Ethernet	Class B/C	Class B/C	Class B/C	Class B/C	Class B/C
Wireless	8xSSID	8xSSID / (8+8) SSID	8xSSID	(8+8) x SSID	8xSSID
VLAN	✓	✓	✓	✓	✓
IPv6	✓	✓	✓	✓	✓
Firewall	✓	✓	✓	✓	✓

Access Control	✓	✓	✓	✓	✓
QoS & BWM	NA	NA/✓	NA	✓	NA
Remote Controlled	✓	✓	✓	✓	✓
System management	✓	✓	✓	✓	✓
AP Configuration	WiFi & System Control	WiFi & System Control/✓	WiFi & System Control	✓	WiFi & System Control
AP Load Balance	Max. STA clients	Max. STA clients/ ✓	Max. STA clients	✓	Max. STA clients
USB application	NA	NA	NA	✓	✓
System	✓	✓	✓	✓	✓
Power & Installation					
Power Source	PoE, or DC 12V / 1A	PoE, or DC 12V / 1A	PoE, or DC 12V / 1A	DC 12V /2A	PoE, or DC 12V / 1A
Enclosure	Plastic-case	Plastic-case	Metal Case	Plastic-case	Plastic-case
Install method	Ceiling Mount	Ceiling Mount	Wall Mount, Desk Top	Desk Top	Wall Mount

Supported frequency band is dependent upon regional hardware version.

✓ means full specifications in the Function List above.

Ordering Information:

LZ-APC762-P01 : LANZONE 10/100 Mbps POE Ethernet port 11n 2Tx2R Business Wireless Access point Ceil Mountable.

LZ-APC772-P02: LANZONE 10/100/1000 Mbps POE Ethernet port 11n 2Tx2R Business Wireless Access point Ceil Mountable.

 LZ-APC774-P02: LANZONE 10/100/1000 Mbps POE Ethernet port 11n 2Tx2R, 2.4G 2Tx2R Business Wireless Access point Ceil Mountable.

LZ-APW772-P02: LANZONE 2# 10/100/1000 Mbps POE Ethernet port 11n 2Tx2R Business Wireless Access point Wall Mountable.

LZ-APD774-U04: : LANZONE 4#10/100/1000 Mbps Ethernet port 11n 2Tx2R, 2.4G 2Tx2R Business Wireless Access point Desktop Mountable

LZ-APP762-P02: LANZONE 2# 10/100 Mbps POE Ethernet port 2.4G 2Tx2R Business Wireless Access point Wall Mountable.