


## **ZN-7100-DE500-G**

### **Product Specification**



**IEEE 802.11a/b/g/n Wireless Access Point**

Features	Additional Information
Compliant Standards	- IEEE 802.3u MDI / MDIX 10/100 Base-T Ethernet - IEEE 802.ab 1000 Base-T Ethernet - IEEE 802.11a/b/g/n wireless LAN standard
Network Protocols Supported	TCP/IP, IPX, NetBEUI
Wireless Mode	802.11 a 802.11 a/n 802.11 b/g 802.11 b/g/n
Operating Mode	- Thin AP - Fat AP
Data Modulation Type	- IEEE 802.11a/b/g <ul style="list-style-type: none"> <li>• DSSS (DBPSK, DQPSK, CCK)</li> <li>• OFDM (BPSK, QPSK, 16-QAM, 64-QAM)</li> </ul> - IEEE 802.11n <ul style="list-style-type: none"> <li>• OFDM (BPSK, QPSK, 16-QAM, 64-QAM)</li> </ul>
Data Rate	- 802.11a: 6/9/12/18/24/36/48/54 Mbps & Auto fallback - 802.11b: 1/2/5.5/11 Mbps & Auto fallback - 802.11g: 6/9/12/18/24/36/48/54 Mbps & Auto fallback - 802.11n: 6/ 6.5/ 13/ 13.5/ 19.5/ 26/ 27/ 39/ 40.5/ 52/ 54/ 58.5/ 65/ 78/ 81/ 104/108/ 117/ 121.5/ 130/ 135/ 162/ 216/ 243/ 270/ 300Mbps
Fit AP Features	NO configuration
	DHCP option43,60
	DHCP discover
	DNS discover
	Static IP discover
<b>WLAN Features</b>	
Operating Mode	AP / Bridge
SSIDs	8 SSIDs
VAP	8 VAPs
VLAN	8 VLANs
Flow Control	- STA throughput control - Flow equalization mode - Limit the number of users
QoS	Support WMM
Router Features	- NAT - Static Route - RIP v1 / RIP v2 - DHCP relay - IGMP snooping (V1, V2, V3) - IGMP proxy (V1, V2)
Output power control	
Date rate selection	
Power save	
Time settings	
VPN passthrough	

<b>802.11n Features</b>	
HT protect	
A-MPDU aggregation	
A-MSDU aggregation	
Shot GI	
Extension channel protection mode	
Channel mode	20M
	40M
<b>WLAN Security</b>	
Encryption	<ul style="list-style-type: none"> <li>- 64/128-bits WEP</li> <li>- TKIP</li> <li>- AES</li> <li>- WAPI</li> </ul>
Authentication	<ul style="list-style-type: none"> <li>- Open system</li> <li>- Shared key</li> <li>- WPA(2)-PSK</li> <li>- WPA(2)</li> <li>- WAPI/WAPI-PSK</li> </ul>
Firewall	<ul style="list-style-type: none"> <li>- Packet Filtering</li> <li>- Refuse X Dos attack</li> <li>- Broadcast storm control</li> <li>- Trap server</li> <li>- Refuse Counterfeit</li> </ul>
Access control by MAC address (ACL)	
User number control	
Wireless isolation	
SSID hides	
<b>Management</b>	CAPWAP
	SNMP MIB
	Telnet
	FW upgrade (Web/FTP)
	Backup settings (Web/FTP)
<b>Diagnostic function</b>	Wireless station list
	Adjacent AP scan
	IP ping test
	Statistics
	Watch dog
<b>Interface</b>	
	
LAN/PoE	RJ-45 Ethernet port x1 (10/100/1000 Mbps)
Optical Interface	Optical Interface x1 (SFP module support)
Restore button	Reset button x1 (Factory settings)
Antenna Connector	N-Type compliant connectors x4

<b>Electricity</b>			
PoE	802.3at		
PTE	Supported		
Power supply	48V DC/0.83A		
Power Consumption	≤ 26W		
<b>RF</b>			
Output Power (2 chains)	<b>5GHz</b>		
	11a		24dBm
	11an	HT20	27dBm
		HT40	27dBm
	<b>2.4GHz</b>		
	11b		27dBm
	11g		27dBm
	11n	HT20	30dBm
		HT40	30dBm
	Receive Sensitivity	<b>2.4GHz</b>	-96dBm @1Mbps -90dBm @11Mbps -94dBm @6Mbps -75dBm @54Mbps -94dBm @MCS0,HT20 -74dBm @MCS7,HT20 -91dBm @MCS0,HT40 -71dBm @MCS7,HT40
<b>5GHz</b>		-94dBm @6Mbps -75dBm @54Mbps -94dBm @MCS0,HT20 -74dBm @MCS7,HT20 -91dBm @MCS0,HT40 -71dBm @MCS7,HT40	
<b>Physical Specification</b>			
Dimensions	292*230*67 mm		
Weight	2.45KG		
<b>Environment</b>			
Operating temperature	-40 ~ +60°C		
Storage temperature	-40 ~ +70°C		
Operating humidity	0 to 100% RH (non – condensing)		
Storage humidity	0 to 100% RH (non – condensing)		
Waterproof level	IP67		
Lightning protection level (ETH)	Surge: Differential mode: ±2kV Common mode: ±6kV		
Lightning protection level (Antenna connector)	Impact current: (With lightning protection device) Differential mode: ±8kA (8/20us) Common mode: ±20kA (8/20us) (Without lightning protection device) Differential mode: ±1KA(8/20us) Common mode: ±20KA (8/20us)		