


# **ZN-7100-2DH-G**

## **Product Specification**



IEEE 802.11 a/b/g/n 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	TCP/IP, IPX, NetBEUI
Wireless Mode	RF1 - 802.11 a - 802.11 a/n
	RF2 - 802.11 b/g - 802.11 b/g/n
Operation Mode	- Fit 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
<b>FIT AP Features</b>	DHCP Option 43,60
	DHCP Discover
	DNS Discover
	Static IP Discover
	N Backup
<b>WLAN Features</b>	
Channel	1~11 (United States)
SSIDs	8 SSIDs
VAP	8 VAPs
VLAN	8 VLANs
Flow Control	- STA Throughput Control - Flow Balance Mode - User Number Balance Mode
QoS	Support WMM
Router Features	- NAT - WAN: Static IP/ DHCP client & DHCP server - DHCP relay - PPPoE - IGMP Snooping (V1,V2,V3) - IGMP Proxy (V1,V2)
Output Power Control	
Data Rate Selection	
Power Save	
Time Settings	
VPN Transparent Transmission	

<b>802.11n Features</b>	HT Protect	
	A-MPDU Aggregation	
	A-MSDU Aggregation	
	Short 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)-AES</li> <li>- WAPI/WAPI-PSK</li> </ul>	
Firewall	<ul style="list-style-type: none"> <li>- Packet Filtering</li> <li>- Refuse X Dos</li> <li>- Broadcast Storm Control</li> <li>- Trap server</li> <li>- Refuse Counterfeit</li> </ul>	
Restrict access by MAC (ACL)		
User Number Control		
Wireless Isolation		
Hide SSID		
RADIUS Server		
Management	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	
	Watchdog	
<b>Interface</b>		
		
LAN	1 RJ45 support 10/100/1000Mbps	
Optical Interference	Optical Interface*1 (SFP module support)	
Reset Button	1 Reset button (Reset to factory default)	
Console	1 RJ45	
Power	1 DC jack	
Antenna Connector	4 Reverse-SMA compliant connectors	

<b>LED</b>	POWER	Off: Power/ system off On: Power/ system on	
	LAN	Off: Ethernet disconnected On: Ethernet connected Blinking: Ethernet transmitting/receiving data	
	WLAN1	Off: 2.4G Radio disabled On: 2.4G Radio enabled Blinking: Transmitting/receiving data	
	WLAN2	Off: 5G Radio disabled On: 5G Radio enabled Blinking: Transmitting/receiving data	
<b>Electricity</b>			
POE	Support POE 802.3 at		
Power Supply	DC 48V		
Consumption	≤ 300mA@ DC 48V		
<b>RF</b>			
Output power	5.8G		
	802.11a	20 dBm	
	802.11an	HT20 / HT40	23dBm
	2.4G		
	802.11b	20dBm	
	802.11g	20dBm	
	802.11gn	HT20 / HT40	23dBm
Sensitivity	802.11b	-96dBm@1Mbps -94dBm@2Mbps -93dBm@5.5Mbps -90dBm@11Mbps	
	802.11a/g	-94dBm@6Mbps -93dBm@9Mbps -90dBm@12Mbps -88dBm@18Mbps -85dBm@24Mbps -81dBm@36Mbps -76dBm@48Mbps -75dBm@54Mbps	
	802.11an/ag	HT20	HT40
		-94dBm@MCS0/8	-91dBm@MCS0/8
		-89dBm@MCS1/9	-86dBm@MCS1/9
		-87dBm@MCS2/10	-84dBm@MCS2/10
-84dBm@MCS3/11	-81dBm@MCS3/11		
-80dBm@MCS4/12	-77dBm@MCS4/12		
-76dBm@MCS5/13	-73dBm@MCS5/13		
-75dBm@MCS6/14	-72dBm@MCS6/14		
-74dBm@MCS7/15	-71dBm@MCS7/15		
<b>Physical Specification</b>			
Dimension	260*180*44 mm		
Weight	506g		
<b>Environment Specification</b>			
Operating Temperature	-10~+50°C		
Storage Temperature	-20 ~ +60°C		
Operating Humidity	10 to 95% RH (non-condensing)		
Storage Humidity	0 to 100% RH (non-condensing)		