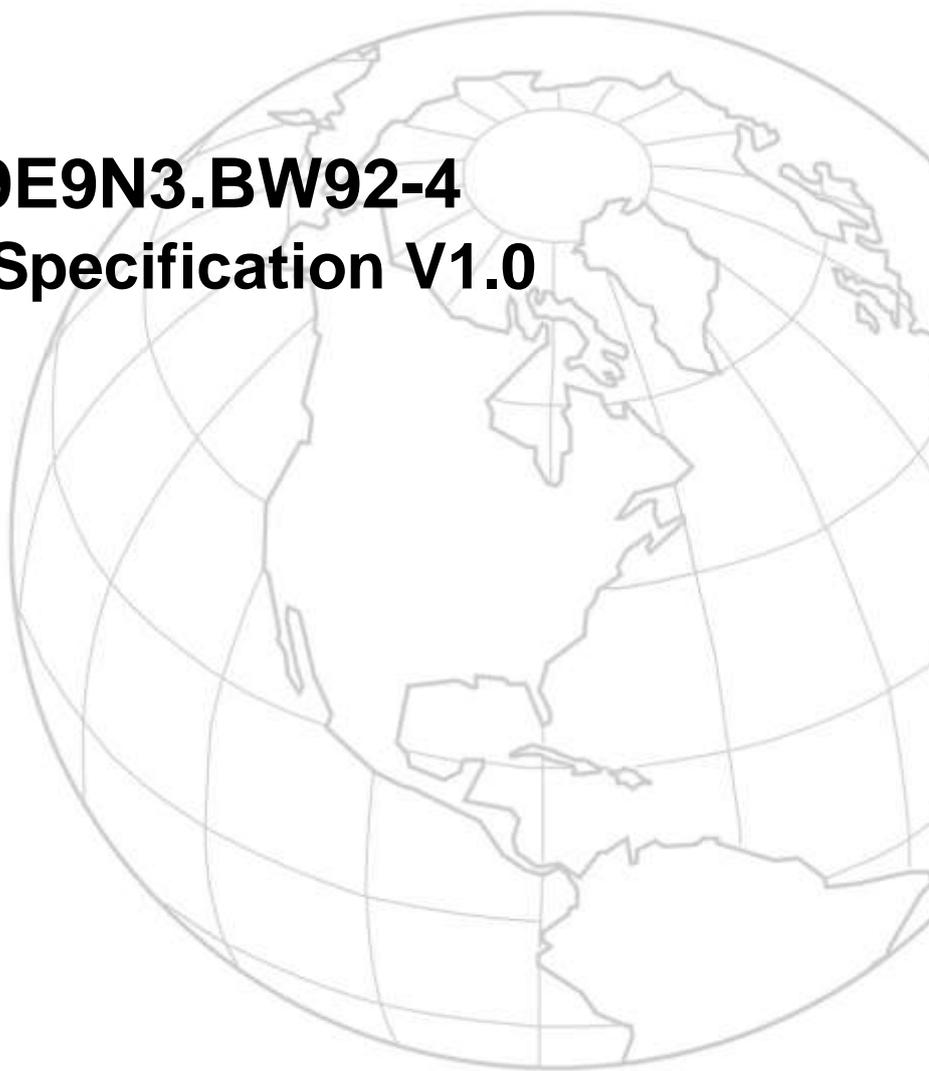




AP699E9N3.BW92-4

Product Specification V1.0



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Introduction:

AP699E9N3.BW92-4 supports the newest 802.11n wireless technology, wireless transmission rates up to 150Mbps, the wireless coverage and throughput are significantly better than 802.11g equipment, matching with the 11n equipment up to optimal performance, backward comply with 802.11b and 802.11g standard. Wireless coverage ability can let more of wireless clients access, or provide greater wireless bandwidth for each client to make the online video, online games, video chat and high bandwidth consumption applications more smoothly, with a separate power switch design, you can manually turn off when not needed, in order to reduce energy consumption, saving and environmental protection. AP699E9N3.BW92-4 to support the WPS a key encryption feature, users can quickly set up a secure wireless network. It also support WEP, WPA, WPA2 encryption, which able to meet the demand for home office users for the safe performance.

Features:

- 11n wireless technology with 300Mbps wireless speed rate
- Independent power switch design
- Wireless security encryption easily at a push of "WPS" button
- Independent WLAN light show the status of wireless network
- Support Router、AP、Client、WDS、WISP variety of applications mode
- Fully comply with 802.11b/g devices
- Supports WEP、WPA/WPA2、WPA-PSK/WPA2-PSK encryption
- Broadband Internet access sharing
- Built-in DHCP server can assigns IP addresses automatically

Parameters:

Production Specification



System Spec	Chips	RTL8196E+RTL8192ER
	SDRAM	8M
	Serial Flash	1M
Physical Interface and LED	Physical Interface	WAN port: RJ45*1 LAN port: RJ45*4
		WPS button*1
		Power button*1
		Reset button: tack switch*1
		External antenna*1
	Power LED	LED on: power on
		LED off: power off
	WLAN (WiFi) LED	LED on: Wireless available
		LED Blink: Data transmission
		LED off: wireless port disabled
	WAN LED	LED on: WAN port connected
		LED off: WAN port disabled
	LAN LED	LED on: LAN port connected
		LED off: WAN port disabled
	WPS LED	LED on: WPS available
LED off: WPS disabled		
Wireless Specification	Frequency	2.412GHz-2.4835GHz
	Compliance	IEEE 802.11N (Backward compatible with 802.11b,g)
	Modulation	802.11b/g/n
	Rate	802.11b: 1、2、5.5、11Mbps
		802.11g: 6、9、12、18、24、36、48、54Mbps
		802.11n Up to 150Mbps
		802.11n: (1T1R 20MHz/40MHz) MCS0-MCS15
	Encryption	WEP
		WPA
		WPA2
Antenna	External 3dBi antenna	
Transmit Power	= 820.11b:	
	TX Power: 14.0dbm	
	EVM: -31db	



		= 820.11g:
		TX Power: 15.0dbm
		EVM: -31db
		= 820.11n:
		TX Power: 17.5dbm
		EVM: 6%
	RX sensitivity	= 820.11b:
		-80dbm
		= 802.11g:
		sensitivity: -72dbm
		= 802.11n HT20:
		-72dbm
Environment Requirement	Operating Temperature	0°C~45°C
	Environmental testing temperature	-10°C~55°C
	Storage Temperature	-40°C~70°C
	Operating Humidity	5%~95%, non-condensing
	Storage Humidity	5%~95%, non-condensing
	Power Supply	DC 12V/500MA
EMC and Safety	Safety Regulations	CCC
	Green Standard	RoHS
Protection Requirements	Over Current Protection	120%~220% of Max. Load. The output shall hiccup when the over currents applied to the output rail, and shall be self-recovery when the fault condition is removed.
	Short Circuit Protection	The input power shall decrease when the output rail short, the power supply shall no damage, and shall be self-recovery when the fault condition is removed.

