

LP-C290N 300 Mbps PoE Wi-Fi Access Point

LPC290N_SS_ENB01W

Features

- IEEE802.11 with b/g/n standards.
- Conforms to standard IEEE802.3af by electric equipment (PD) standard.
- Supports high data transmission rate as high as 300 MBPS, at the same time and using the IEEE802.11 n standard. Up to 2 air streams.
- Good receiving sensitivity peaking at -90 dBm @MCS 0 and 20 MHz bandwidth and a 22 dBm emission power, for Wi-Fi coverage of large interior spaces.
- Provides MAC access control.
- Provides multiple SSID's (up to 4).
- Supports based on Web configuration.
- Through the Web browser firmware upgrade.
- Provides a 10/100 Mbps Ethernet interface, and support the automatic MDI/MDIX.
- Supports the automatic adjustment of the wireless transmission rate.
- Supports 64/128 bit WEP encryption, WPA and WPA2, WPA - mixed, 802.1 X verification, encryption enforcing the security mechanisms for the transmission of data.
- Built-in DHCP server.
- Supports QoS, used to improve the network quality of service.
- Supports WMM, and lets your speech video to be more fluid.
- Supports 802.31d Spanning Tree Protocol.
- Supports LLTD Link Layer Topology Discovery.
- Supports Plug and Play Technology (UpnP).
- Supports Green Field.
- Supports MCS.



LP-C290N 300 Mbps PoE Wi-Fi Access Point

The **LP-C290N** 300 Mbps PoE Wi-Fi Access Point, is a convenient and easy to install Access Point solution for data, voice and video streams.

User friendly, and beautifully designed for ceiling or wall installation, it is an excellent solution to deliver Wi-Fi service to large interior spaces.

The **LP-C290N** supports the IEEE 802.3af Power Over Ethernet (PoE) standard which allows to be easily powered from the same cable that carries the data. A PoE switch like the LP-SGW2404FP from LanPro is an ideal way to power it and connect to the local area network. Another product is LP-PoE150 Injector, which lets you power the LP-C290N individually.

This excellent solution utilizes the IEEE802.11 b/g/n standard and supports up to 300 Mbps air throughput for n compliant equipment and with and RF frequency range of 2412 GHz ~ 2484GHz (Channel 1 ~ 14).

The **LP-C290N** has a very good receiving sensitivity peaking at -90 dBm @ MCS 0 and 40 MHz bandwidth and approximately 200 mW of output power.

With intelligent QoS, it prioritizes both wired and wireless Internet traffic to bandwidth-sensitive applications like online gaming, VoIP or stream multimedia. It also Supports 64/128 bit WEP encryption, WPA and WPA2, WPA - mixed, 802.1X verification, WPS(PBC, PIN), to ensure that you will be able to use the best possible encryption regardless of your other wireless devices.

A Specifications

General Specifications	
Agreement Standard	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b; IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af
Interface	1 RJ45 Port 10/100M, Supports Auto MDI/MDIX
Push Button	Reboot (According to 1 second) Back to factory default : (According to 10 second)
LED (green)	Power/LAN/WLAN
Wireless Specifications	
Basic function	Wireless ON/OFF SSID radio ON/OFF Work channel: 1-14 Bandwidth: 20 MHz, 40 MHz Multiple SSID isolation Hidden SSID Multiple SSID configuration (Up to 4)
Frequency	2.412--2.4884 GHz
Wireless Transmission Speed	IEEE 802.11b: 1,2,5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 26, 48, 54 Mbps IEEE 802.11n: 300 Mbps (Typical value)
Emission Power	22dBm
Receiving Sensitivity (Typical value)	IEEE802.11n: MCS8 @-90 dBm MSC15@-70 dBm IEEE802.11g: 6 Mbps@-92 dBm 54 Mbps@ -72 dBm IEEE802.11b: 1 Mbps@-93 dBm 11 Mbps@-89 dBm
Work mode	AP Client, AP, Universal Repeater
Wireless security	MAC filter 64/128 WEP encryption WPA-PSK/WPA2-PSK, WPA/WPA2 Mixed 802.1X (Radius)

B Hardware Specification

Item	Description
CPU	MTK7620 por Ralink Technology Corp.
DDR	32 Mbyte
Flash	4 Mbyte
Power Supply	12VDC@1A or POE 802.3af 48V 0.4A
CPU frequency	580MHz
Antenna	2x2 (2Tx,2 Rx), 5 dbi
Physical Ports	1*10/100 Mbps LAN
Reset Button	1
LED Indicator	<p>Power LED On: The power is on Off: The power is off</p> <p>Lan LED Off: When there is no other device connected to the port On: When there is other device connected to the port Blinking: When there is data transmission on the port</p> <p>LED Inalámbrico: (Modo AP) Off: Wireless disabled On: Wireless enabled Blinking: When there is wireless data transmission</p>
Modulation Type	OFDM / BPSK / QPSK / CCK / DQPSK / DBPSK
RF Frequency range	2412 GHz ~ 2484GHz (Channel 1 ~ 14)
Power consumption	≤ 9W

RF Power @25°C	802.11b	1-11 Mbps	21±1.5dBm	
	802.11g	6-9 Mbps	21.5±1.5dBm	
		12-18 Mbps	21±1.5dBm	
		24-36 Mbps	20.5±1.5dBm	
		48-54 Mbps	20±1.5dBm	
	802.11n	HT20	MCS 0/8	21±1.5dBm
			MCS 1/9	21 ±1.5dBm
			MCS 2/10	21±1.5dBm
			MCS 3/11	21±1.5dBm
			MCS 4/12	21±1.5dBm
			MCS 5/13	20±1.5dBm
			MCS 6/14	19±1.5dBm
		MCS 7/15	19±1.5dBm	
		HT40	MCS 0/8	21±1.5dBm
			MCS 1/9	21 ±1.5dBm
			MCS 2/10	21±1.5dBm
			MCS 3/11	21±1.5dBm
MCS 4/12			21±1.5dBm	
MCS 5/13			20±1.5dBm	
MCS 6/14	19±1.5dBm			
MCS 7/15	19±1.5dBm			
RF Sensitivity	IEEE 802.11b 1Mbps ≤- 93dBm 11Mbps ≤- 89dBm	IEEE 802.11g 6Mbps ≤-92dBm 54Mbps ≤-72dBm	IEEE 802.11n HT 20 IEEE 802.11n HT 20 MCS 0/8 ≤-90dBm MCS 7/15 ≤-70dBm HT 40 MCS 0/8 ≤-88dBm MCS 7/15 ≤-64dBm	

C Physical Specifications

Item	Specification
Dimensions (mm)	115 mm (diameter) x 45 mm height
Weight	≤200g
Environment	
Relative Humidity (without condensation) in Operation	0%~90%
Operation Temperature	-15~+55°C
Storage Temperature	-20~+60°C

D How to Order

LP-C290N 300 Mbps PoE Wi-Fi Access Point

LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.