



LN-290M

WiFi6 Indoor Wireless Access Point



Product Highlights

- IEEE 802.3at standard PoE support
- 5G Module
- Five Gigabit Ethernet ports
- Supports 8 spatial streams
- Optical port.

LN-290M is a high-performance and high-speed indoor 11ax 1800Mbps dual-band AP base station. It adopts the excellent and powerful industrial grade wifi6 Mediatek chip which supports both 2.4GHz and 5.8GHz dual-band. It equips Gigabit WAN/LAN port, 1 optical port. The maximum wireless transmission data rate could reach up to 1800Mbps which enables more wireless access users simultaneously. It provides a professional, stable, reliable, superior and high-speed wireless coverage solution for security monitoring, public safety, mining, wind power, smart grid, smart city, intelligent transportation and other large scales industrial project etc. The PCB board is equipped with two independent signal amplifiers (PAs) and LNA as well as an external 8dbi Omni-directional dual-polarized cylindrical antenna. The wireless coverage radius can reach up to 200-300 meters. Also, It supports intelligent channel analysis and automatic selection of the best channel to greatly reduce interference and latency that provides more stable and fast wireless network signals.

LN290X adopts advanced Wave2 MU-MIMO (multi-user multiple inputs multiple outputs) technologies. Furthermore, It supports 8 spatial streams, 160MHz channel bandwidth as well as 256QAM modulation technology, The overall transmission rate is greatly enhanced. It's your superior choice for seamless HD streaming, online gaming and other bandwidth-intensive tasks. Enjoy fast, reliable WiFi connections for gaming and streaming in the best quality.

PRODUCT PARAMETERS

Model	LN-290M
Chipset	MediaTek MT7621A MIPS1004Kc(880MHz) Or Qualcomm IPQ6000+QCA8072
RF	2.4G&5G: MT7915DN
Gigabit PHY	Integrated with MT7621A
Flash Memory	16MBx1 SPI NOR flash
DDR Memory	DDR3 256MB 1200Mbps
Power Consumption	100mW
Ethernet interface	LAN*1: 10/100/1000 auto-sensing (MDI/MDX) RJ-45 WAN*1: 10/100/1000 auto-sensing (MDI/MDX) RJ-45
POE	LAN1&WAN1: Gigabit port operate as a powered device (PD) within standard 802.3at/af Power Over Ethernet from either a mid or end span power source equipment (PSE).
DC power	100~240VAC, 50/60Hz input, Output: 12V/1.5A
PoE supply	802.3at 48VDC PoE
5G Mobile Networks	USB 3.0BUS M.2_B-KEY (Built-in Micro SIM CARD) The support mode depends on the module connected
Weight	0.65kg
Size	260mm*220mm*45mm

ENVIRONMENTAL PARAMETERS

Temperature	- 0 to 40 degrees C (Operating Temperature) - -20 to 70 degree C (Storage Temperature)
Operating humidity	5% to 95% (Noncondensing)
Non-Operating humidity	5% to 95% (Noncondensing)
Shock and Vibration	IEC 61373