LITE-ON WPXE8326 Wi-Fi 6E Access Point Mesh Router

LITE-ON WPXE8326 Wi-Fi 6E Access Point Mesh Router User Manual

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Product Description & System Block Diagram

This document describes LITEON generic product requirement of valued indoor Wi-Fi 6E triple band AP/Mesh router. With 6GHz extended spectrum, this product is configured as 2×2 @ 2.4GHz +2×2 @ 5GHz + 2×2@6GHz in three radios. Chipset adoption is Qualcomm Maple and two Spruces which support maximum Wi-Fi data rate of 573.5Mpbs@2.4GHz + 2474Mbps@5GHz + 2474Mbps@6GHz.
This PRD addresses two form factors adapting into Medium Enterprise/SMB and consumer marketplace.

- WPXE8326 is deployed as an indoor Medium Enterprise/SMB AP which is empowered by either PoE (1st priority) or power adapter (alternative).
- WRXE8326 is deployed as an indoor consumer Mesh router which is empowered by power adapter.

This device supports optional BT/BLE feature to provide indoor-location and IoT applications. There are 2 options to empower WPXE8326, PoE 802.3at and DC12V when AP SKUs are selected. This allows WPXE8326 remotely empower by PoE switch. Optional DC12V power source is adapted for the installation environment where PoE is

not reachable. In WRXE8326, it is empowered by DC12V through an external power adapter.

Optional Function Scope

The scope of WPXE8326/WRXE8326 optional functions, including its verification readiness, can be classified into following levels:

- **Level I – Mount-able/Install-able:**
  The relevant HW components are able to be polulated on PCBA. It should not infect any normal operation of system, and being ready for further functional testing of next development stages.
- **Level II – Basic Functionable/Workable:**
  The optional function is basically workable and driven by SW driver OK. Its basic function is workable; however not all features are well verified and passed LITEON internal formal verification processes.
- **Level III – Verified:**
  The optional function has been well tested and passed LITEON internal formal verification processes.
- **Level IV – Deliverable/Certified:**
  The optional function is ready for shipment or passed its necessary “Regulatory and Certification” as listed in Section 5.

I/O Interfaces

- 2× RJ45 connectors
- 1× 10/100/1000/2500Mbps Full/Half Duplex Ethernet with IEEE 802.3at PD
- 1× 10/100/1000Mbps Full/Half Duplex Ethernet
- 5× LEDs
- USB 2.0 – type A port
- Power jack
- Factory default reset

(Note: Pressing and holding reset button for 10 seconds, System will restore factory defaults and reboot, meanwhile, Power LED blinks after 5 seconds. This process is controlled by GENERIC SW)

- One kensington lock hole

Power Supply

The WPXE8326 shall be powered by

- Power Over Ethernet : 802.3at (2.5GbE LAN) System power consumption of the default setting should fulfill with the power budget of 802.3at.
- External power supply : DC 12V/2.5A (Sold separately) The WRXE8326 shall be powered by
- External power supply : DC 12V/2.5A (Sold separately)

Federal Communication Commission Interference Statement

This product has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reaso nable protection against harmful interference when the equipment is operated in a commercial environment. This product generates, uses, and can ra diate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications. Operation of this product in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense.

FCC Caution

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interfer ence that may cause undesired operation.

Non-modification Statement:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC regulations restrict operation of this device to indoor use only.
The operation of this device is prohibited on oil platforms, cars, trans, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

Documents / Resources

	LITE-ON WPXE8326 Wi-Fi 6E Access Point Mesh Router [pdf] User Manual WPXE8326 Wi-Fi 6E Access Point Mesh Router, WPXE8326, Wi-Fi 6E Access Point Mesh Rou ter, Access Point Mesh Router, Point Mesh Router, Mesh Router, Router