

WIFI TRAINING MODULE 1 ASSESSMENT SOLUTION

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5. Difference between Bridge mode and Repeater mode

Wi-Fi Bridge Mode and Repeater Mode both extend network connectivity, but they serve different purposes.

Feature	Bridge Mode	Repeater Mode
Purpose	Connects two different wired networks over Wi-Fi	Extends an existing Wi-Fi network wirelessly
Network Type	Wired-to-Wired or Wired-to-Wireless	Wireless-to-Wireless
IP Address Handling	Uses a different subnet	Uses the same subnet as the main router
Performance	High performance, no bandwidth loss	Reduces bandwidth due to repeated signals
Device Communication	Devices connected to one bridge can communicate with the other	Devices remain in the same Wi-Fi network
Use Case	Connecting two LANs (e.g., two office buildings)	Boosting weak Wi-Fi signals in large areas

Example Use Cases:

Bridge Mode: Used in corporate offices to connect two different LANs over a wireless link.

Repeater Mode: Used in large homes to extend Wi-Fi signals in dead zones.