

Q8. What is the difference between IEEE and WFA

IEEE (Institute of Electrical and Electronics Engineers)

- A global organization that develops technical standards for various technologies.
- Responsible for creating Wi-Fi standards (IEEE 802.11 series).
- Does not handle certification of Wi-Fi products.
- Covers multiple domains, including networking, electronics, AI, and communications.

WFA (Wi-Fi Alliance)

- A non-profit organization that promotes Wi-Fi technology and ensures device interoperability.
- Certifies Wi-Fi products for compliance with IEEE 802.11 standards.
- Responsible for Wi-Fi branding (e.g., Wi-Fi 6, Wi-Fi 6E) and ensures compatibility between different manufacturer's devices.
- Focuses on marketing, certification, and consumer adoption.

Overall

IEEE creates the Wi-Fi standards, while WFA certifies and promotes them.

IEEE = Standardization

WFA = Certification & Branding