

KRIFI | TKABC

KRIFI ENCRYPTED Wi-Fi TERMINAL DEVICE

#MilitaryCommunication



aselsan

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KriFi TKABC is an encrypted Wi-Fi terminal device for mobile users to be connected to the USB port of the mobile user's notebook computer. It supports IEEE802.11ac protocol, communicates with encrypted Wi-Fi access points and uses a trust relationship that prevents unauthorized access to the Wi-Fi network. It uses a national secret encryption algorithm for secure communication. It has an encrypted data communication speed of 20 MBits.

Encrypted Wi-Fi terminal devices are used in connection with encrypted Wi-Fi access points and a dedicated Wireless network management software.

Properties of Encrypted Wi-Fi Terminal Devices

- KriFi encrypted Wi-Fi terminal device uses IEEE802.11ac protocol for Wi-Fi communication.
- It is a MIMO device that supports 2 spatial streams.
- It is connected to the USB Port of a mobile user's notebook computer.
- It supports encrypted communication with encrypted Wi-Fi access points and establishment of a trust relationship between wireless devices that prevents unauthorized access to the Wi-Fi network.
- The encryption algorithm is designed and developed in Türkiye and certified as national secret.
- Encrypted communication can only start after a successful 3 factor authentication.
- All encryption protocols used, including the 3 factor authentication, are certified as national secret.

- National secret certification is issued by the certification authority of the office of General Chief of Staff of the Türkiye Army.
- If one or more encrypted wi-fi terminal devices connected to an encrypted wi-fi access point fail, the rest of the network stays operational.
- KriFi encrypted wi-fi terminal device is operational from -20 °C to +55 °C.
- Power to KriFi encrypted wi-fi terminal device is supplied from the USB connection.
- KriFi encrypted Wi-Fi terminal device has a both way encrypted data communication speed of 20 MBits.
- USB v2.0 and newer versions are supported.
- When needed, an KriFi encrypted wi-fi terminal device connected to an encrypted wi-fi access point in a given network, can change over to a new encrypted wi-fi access point in the same network automatically, without intervention of an operator. The loss of communication has a maximum duration of 20 seconds.
- In a given network, an KriFi encrypted wi-fi terminal device determines and connects to the encrypted wi-fi access point with the most suitable signal level automatically. when moving in the coverage area of the same network, it recalculates and changes over automatically to the encrypted wi-fi access point with the most suitable signal level for its new position.
- Encrypted Wi-Fi Access Point has dimensions of 5cm x 15cm x 2cm (W x L x H) and has a mass of less than 300 g.

Specifications are subject to change without any notice. | All tolerances are within ±10%.