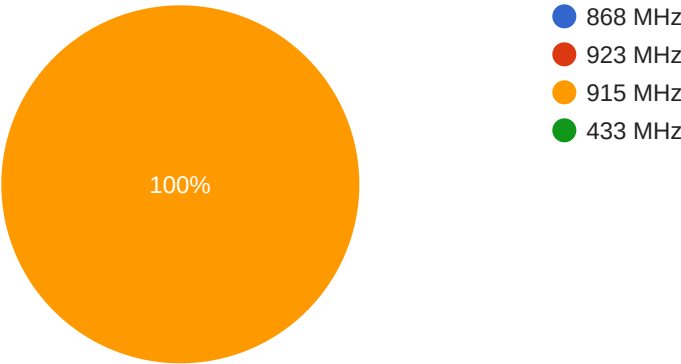


LoRa Week 2 - Web Search

4 responses

All data sent using LoRa end nodes is actually sent using radio waves. Each country regulates what radio frequency certain devices can use. In the United States, what radio frequency is LoRa able to use for communication?

4 responses



We have talked a lot about bandwidth vs. range when it comes to LoRa and WiFi. What is the difference between LoRa's range and WiFi's range? In other words, briefly explain how far LoRa can transmit vs WiFi.

4 responses

Wifi's range isn't far as much as LoRa's range is. If you wanted to transfer small amount of data from garden beds or lawns that need watering LoRa would be a good choice to use than Wifi due to the lack of range Wifi has.

Regarding Lora, in an urban environment with an outdoor gateway, you can expect up to 2- to 3-km-wide coverage, while in the rural areas it can reach beyond 5 to 7 km. Wifi's range is 2.4 GHz, an the band can reach up to 150 feet (46 m) indoors and 300 feet (92 m) outdoors.

WiFi can reach up to 300 feet while LoRa can reach up to 7km

WiFi is limited in range, consume huge battery. LoRa is specially designed for the IoT devices. LoRa stands for Long Range. LoRa gives long-range transmissions of more than 10km in rural areas with low power consumption. LoRa is a wireless communication standard like Bluetooth and WiFi. Other low-power wide-area network (LPWAN) wireless exists beside LoRa such as narrow-band IoT or LTE Cat M1.

Today, encryption is required to keep data safe. After spending time to search what encryption is, can you give a simple definition in your own words?

4 responses

Encryption translates data into another form or code in which people who have access to a decryption key can read it.

Encryption is a process in which information or data is converted into a code, especially to prevent unauthorized access.

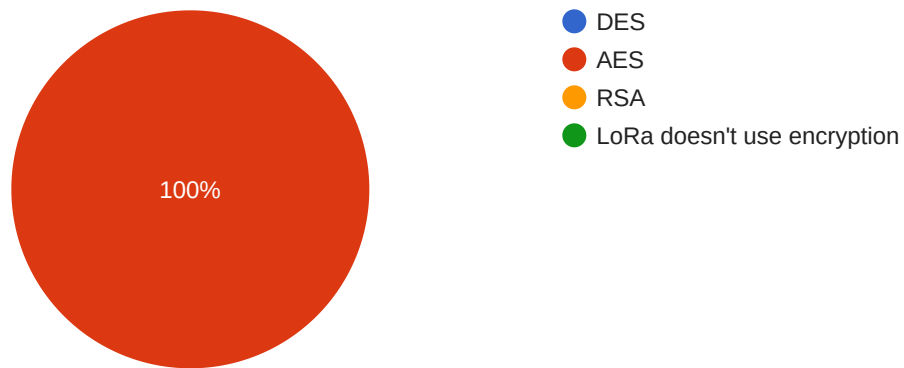
Enrcvntion is when u encode a message so only you can understand what it says

Encryption is when a encode a message so only you can understand what it says

Encryption: the process of modifying into a code for information/data, to forbid unapproved access.

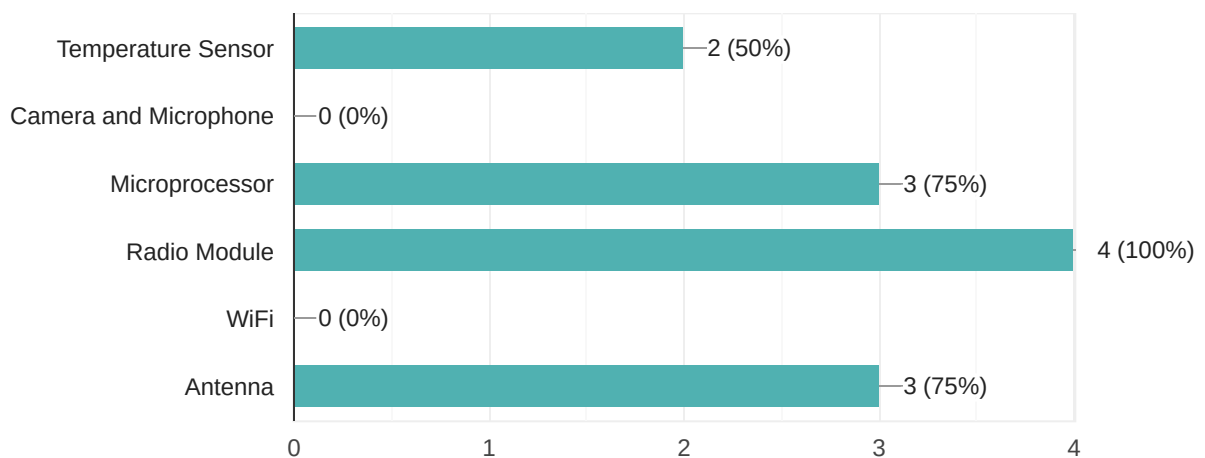
Is LoRa data secured using encryption? If so, what type of encryption?

4 responses



This question is to test knowledge of Monday's lesson. There are three basic parts needed to make a functional LoRa End Node. What are they?

4 responses



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