

# WiFi Newsflash

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- Certified Wireless Network Expert #307
- Vendor independent WiFi certification by CWNP



# CWISA

- Recent CWNP certification
- Requirement for CWNE
- Certified Wireless IoT Solutions Administrator
  - IoT
  - Bluetooth, BLE
  - Cellular (LTE, LTE-U, 5G, CBRS)
  - Machine to Machine (M2M)
  - Zigbee, Z-Wave
  - Locationing services
- Two pro-level certifications: CWICP & CWIIP



# WiFi standards

IEEE	WFA	GHz
802.11g	WiFi 3	2.4
802.11n	WiFi 4	2.4 & 5
802.11ac	WiFi 5	5
802.11ax	WiFi 6	2.4 & 5

# WiFi 6E

- 6 GHz (5.925 to 7.125 GHz)
  - Europe: 5.945 to 6.425 GHz to begin with
- 60 new 20 MHz channels (24 in Europe)
  - 3 (or 4) in 2.4 GHz
  - 18 (or 24) in 5 GHz
- 802.11ax only, but only 802.11ax
- Wide channels
  - Up to 320 MHz (16 x 20 MHz channels)
  - Full power
- 1-2 dB loss from 5 GHz

**Thank you!**