

Este post pretende unificar las capabilities de las tarjetas o adaptadores WiFi más abundantes del mercado para poder ser usado como referencia a la hora de implementar un punto de acceso por software con hostapd:

## Intel AX200 (8086:2723)

lspci:

```
Network controller [0280]: Intel Corporation Wi-Fi 6 AX200 [8086:2723] (rev 1a)
Subsystem: Intel Corporation Wi-Fi 6 AX200NGW [8086:0084]
Kernel driver in use: iwlwifi
Kernel modules: iwlwifi
```

iw list:

```
Band:1
Capabilities: 0x19ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
DSSS/CCK HT40
HE Iftypes: AP
HE MAC Capabilities (0x78011a100000):
+HTC HE Supported
Trigger Frame MAC Padding Duration: 2
Multi-TID Aggregation Support: 7
Broadcast TWT
OM Control
Maximum A-MPDU Length Exponent: 3
HE PHY Capabilities: (0x06200e090009800401c000):
HE40/2.4GHz
HE40/HE80/5GHz
LDPC Coding in Payload
NDP with 4x HE-LTF and 3.2us GI
STBC Tx <= 80MHz
STBC Rx <= 80MHz
DCM Max Constellation: 1
DCM Max Constellation Rx: 1
Sounding Dimensions <= 80Mhz: 1 Sounding Dimensions > 80Mhz: 1
PPE Threshold Present
HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
HE ER SU PPDU 4x HE-LTF 0.8us GI
Band 2:
Capabilities: 0x19ef
RX LDPC
HT20/HT40
SM Power Save disabled
RX HT20 SGI
RX HT40 SGI
TX STBC
RX STBC 1-stream
Max AMSDU length: 7935 bytes
DSSS/CCK HT40
VHT Capabilities (0x039071f6):
Max MPDU length: 11454
Supported Channel Width: 160 MHz
RX LDPC
short GI (80 MHz)
short GI (160/80+80 MHz)
TX STBC
```

```
SU Beamformee
MU Beamformee
HE Iftypes: AP
HE MAC Capabilities (0x78010a100000):
  +HTC HE Supported
  Trigger Frame MAC Padding Duration: 2
  Multi-TID Aggregation Support: 7
  Broadcast TWT
  OM Control
  Maximum A-MPDU Length Exponent: 1
HE PHY Capabilities: (0x06200e090009800401c000):
  HE40/2.4GHz
  HE40/HE80/5GHz
  LDPC Coding in Payload
  NDP with 4x HE-LTF and 3.2us GI
  STBC Tx <= 80MHz
  STBC Rx <= 80MHz
  DCM Max Constellation: 1
  DCM Max Constellation Rx: 1
  Sounding Dimensions <= 80Mhz: 1 Sounding Dimensions > 80Mhz: 1
  PPE Threshold Present
  HE SU PPDU & HE PPDU 4x HE-LTF 0.8us GI
  HE ER SU PPDU 4x HE-LTF 0.8us GI
```