

UDP - Important Headers

MAC Header

Dest MAC : 6 Bytes

Src MAC : 6 Bytes

IP Header

Version : 0.5 Byte (4 bits)

TTL : 1 Byte

Protocol : 1 Byte

Src IP : 4 Bytes

Dest IP : 4 Bytes

UDP Header

Source Port : 2 Bytes

Dest Port : 2 Bytes

UDP - All Headers

- - Not Important (But Discussed) ; ● - Not Important (Not Discussed)
● - Important(Discussed) ● - Important(Discussed)

MAC Header : 14 Bytes

Dest MAC : 6 Bytes

Src MAC : 6 Bytes

Type : 2 Bytes

IP Header : 20 Bytes

Version : 0.5 Byte (4 bits)

L3 Header Length : 0.5 Byte (4 bits) (usually set to value of '0101' which is 5. This fixed value of 5 will always multiplied by 4 to get the IP header length i.e 20 Bytes)

DSCP : 1 Byte

Total Length : 2 Bytes

Identification : 2 Bytes

Fragments : 2 Bytes

TTL : 1 Byte

Protocol : 1 Byte

L3 Header checksum : 2 Bytes

Src IP : 4 Bytes

Dest IP : 4 Bytes

UDP Header : 8 Bytes

Source Port : 2 Bytes

Dest Port : 2 Bytes

Length : 2 Bytes (Length of the UDP Header + UDP Payload Length)

L4 Checksum : 2 Bytes

1500 Bytes(MTU) - 8 Bytes(UDP) - 20 Bytes(IP) = 1472 Bytes of payload you can have for every UDP packet.