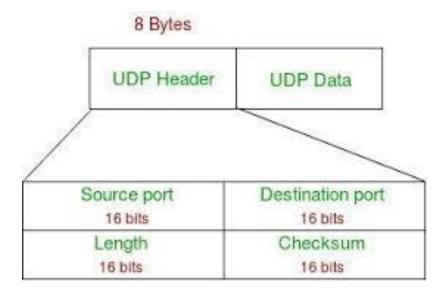
Comparison Between UDP and TCP

Feature	UDP (User Datagram	TCP (Transmission
	Protocol)	Control Protocol)
Connection Type	Connectionless	Connection-oriented
Reliability	Unreliable (no guarantee	Reliable (ensures delivery
	of delivery)	with acknowledgments)
Ordering	No guaranteed order of	Guarantees order of
	delivery	delivery
Speed	Faster due to no	Slower due to connection
	connection establishment	establishment and checks
	overhead	
Header Size	8 bytes	20-60 bytes
Flow Control	No flow control	Flow control through
		windowing
Use Cases	Suitable for applications	Suitable for applications
	like streaming, gaming	requiring reliability, like
		web browsing and file
		transfers
Error Checking	Basic checksum for error	Comprehensive error
	checking	checking with
		retransmissions



TCP Header

