

Parameters	OSI Model	TCP/IP Model
Full Form	OSI stands for Open Systems Interconnection	TCP/IP stands for Transmission Control Protocol/Internet Protocol
Layers	It has 7 layers	It has 4 layers
Usage	It is low in usage	It is mostly used
Approach	It is vertically approached	It is horizontally approached
Delivery	Delivery of the package is guaranteed in OSI Model	Delivery of the package is not guaranteed in TCP/IP Model
Replacement	Replacement of tools and changes can easily be done in this model	Replacing the tools is not easy as it is in OSI Model
Reliability	It is less reliable than TCP/IP Model	It is more reliable than OSI Model
Protocol Example	Not tied to specific protocols, but examples include HTTP (Application), SSL/TLS (Presentation), TCP (Transport), IP (Network), Ethernet (Data Link)	HTTP, FTP, TCP, UDP, IP, Ethernet
Error Handling	Built into Data Link and Transport layers	Built into protocols like TCP
Connection Orientation	Both connection-oriented (TCP) and connectionless (UDP) protocols are covered at the Transport layer	TCP (connection-oriented), UDP (connectionless)