Abstract—This paper describes the reference design architecture and the network function board of the network common hardware platform which supports diverse and flexible network services. As the SDN(Software Defined Network) and NFV(Network Functions Virtualization) technology development, there is a need of low-cost general purpose hardware systems instead of the expensive ones. Thus we provide a common hardware reference platform and the goals are to rapidly develop high quality network service solutions and to ensure compatibility between the local network devices and the solutions using this platform. This paper includes system components of common hardware platform and hardware specifications of network function board such as mechanical size, design, appearance and power consumption.

Keyword—Common Hardware Platform, Reference Design Architecture, Network Function Board, SDN(Software Defined Network), NFV(Network Functions Virtualization)

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