At SoC Level the basic components :

1. CPU.
2. GPU.
3. NPU.
4. Multiple NoC’s.
5. Peripherals :
   1. Basic Interface : uc and few in up
      1. SPI, I2C, UART, Timer.
      2. ADC, DAC
      3. CAN
      4. JTAG, SDO
      5. GPIO
      6. Wifi, Bluetooth, NFC, Zigbee, LoRa and LoRaWAN
   2. High Speed : up :
      1. PCIE
      2. SERDES
      3. USB
   3. Ethernet
   4. Many more are present.
6. Custom Cores : VLIW Processors.
   1. DSP
   2. Audio
   3. Accelerators
7. Camera Core.
8. Video Core.
9. Memory Subsystem : LLCC, MC and DRAM Interface. Non-volatile Memory.

Now Usecase Scenarios : Multiple IP Interaction and the metrics Latency (ns or clk cycles), Throughput and Bandwidth (MBps). For the uc or up based on the application the target values change.

ARM SoC Book : Reference reading

Microcontroller SoC : TI

