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Network on a chip - Wikipedia
A system on a chip (SoC / ˌ ɛ s ˌ oʊ ˈ s iː / es-oh-SEE or / s ɒ k / sock) is an integrated circuit (also known as a "chip") that integrates all or most components of a computer or other electronic system.These components almost always include a central processing unit (CPU), memory, input/output ports and secondary storage – all on a single substrate or microchip, the size of a coin.

System on a chip - Wikipedia
The northbridge was replaced by the system agent introduced by the Sandy Bridge microarchitecture in 2011, which essentially handles all previous Northbridge functions. Intel's Sandy Bridge processors feature full integration of northbridge functions onto the CPU chip, along with processor cores, memory controller, high speed PCI Express interface and integrated graphics processing unit (GPU).

Northbridge (computing) - Wikipedia
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conception phase of digital systems to be highly integrated as System-on-Chips (SoC). This is especially true for digital communication systems where e.g. in the optimization of channel coding traditionally only the transmission power has been considered. In general this leads to highly complex and energy intensive receivers. Actually a proper

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Chip-to-Chip and On-Chip Communications
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