

Network service platform in the 6G/IOWN era

Providing high-speed, low-power network services regardless of the device or location

#Customer Experience Value Creation



///Technical Issue

- The overhead due to duplication in the data flow and processing between terminal, network and the cloud.
- Economy and availability.

///Research Goal

By linking communications and computing, we improve performance per watt of power, economy, and availability.

---Technology

- Network analyzes the status of terminal and the cloud, and optimizes data flow and processing.
- High-granularity fault detection by proxy and gateway collaboration.
- Mobile core built on public cloud.

---Novelty

- Consolidates network functions into a single smart NIC, tripling power efficiency and improving capacity and quality.
- Accelerates fault detection by simultaneously monitoring physical resources and traffic.
- Allows existing on-premises environment to be migrated to the cloud without modification.

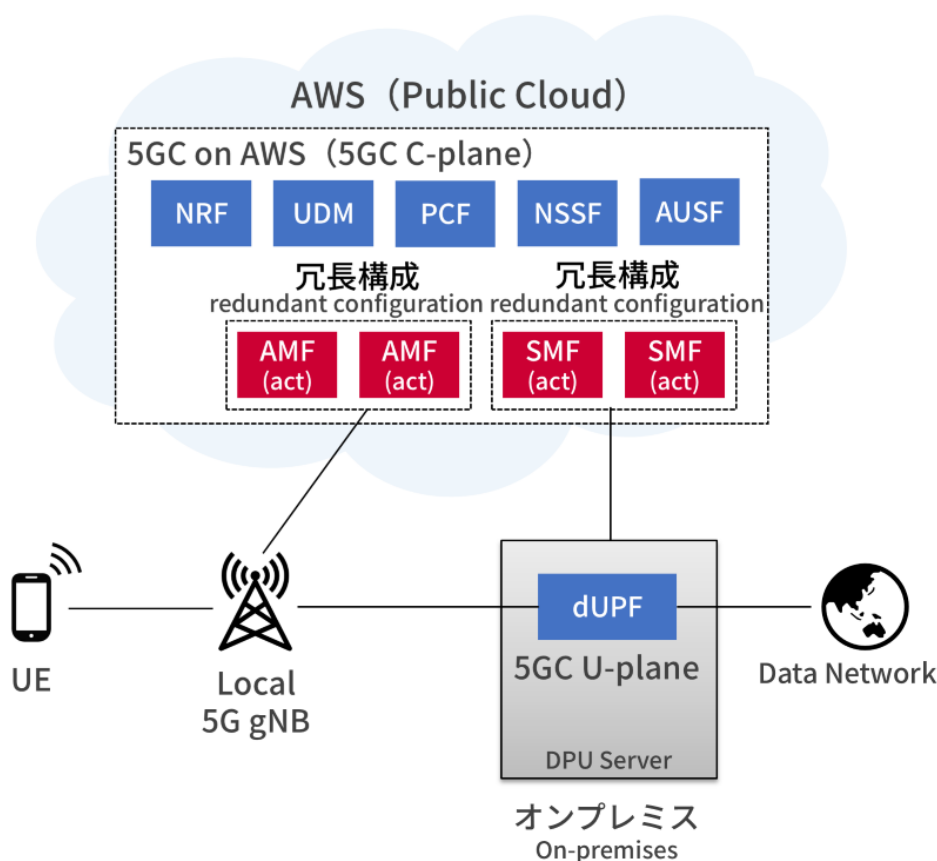
---Applicable Business

In the information and communications industry, it is possible to provide advanced services such as automatic driving and remote control in a flexible, quick, low-power, low-cost (Technology established: 2025/4Q, Service provision scheduled: 2026/4Q).

Network service platform in the 6G/IOWN era

Providing high-speed, low-power network services regardless of the device or location

#Customer Experience Value Creation



///Technical Issue

- The overhead due to duplication in the data flow and processing between terminal, network and the cloud.
- Economy and availability.

///Research Goal

By linking communications and computing, we improve performance per watt of power, economy, and availability.

---Technology

- Network analyzes the status of terminal and the cloud, and optimizes data flow and processing.
- High-granularity fault detection by proxy and gateway collaboration.
- Mobile core built on public cloud.

---Novelty

- Consolidates network functions into a single smart NIC, tripling power efficiency and improving capacity and quality.
- Accelerates fault detection by simultaneously monitoring physical resources and traffic.
- Allows existing on-premises environment to be migrated to the cloud without modification.

---Applicable Business

In the information and communications industry, it is possible to provide advanced services such as automatic driving and remote control in a flexible, quick, low-power, low-cost (Technology established: 2025/4Q, Service provision scheduled: 2026/4Q).