CPS IoT

Cyber Physical System — Internet of Things

IT & Electronics Supporting the Future

From Information Society to CPS/IoT Society

Data collected and analysis results fed back to create new value and knowledge from experience.

Information society

Information networks developed separately in each area
(Rationalization and optimization)

- Home networks
- Traffic systems
- Medical networks
- Manufacturing and distribution
- Office networks
- Infrastructure and energy
- Personal communication

CPS/IoT society

Society evolves through the collection, accumulation, analysis and integration of data from the various different areas.
(Creation of new value and knowledge from experience)

Real world (Physical world)

- Home networks
- Traffic systems
- Manfacturing and distribution

Virtual world (Cyberspace)
Cloud Computing
- Sensing actuation technologies
- Big data processing technologies
- Mass-storage high-speed servers

- Medical networks
- Personal communication
- Infrastructure and energy
- Office networks

Information networks connect not only computers and cell phones but also consumer electronics, cars and areas, creating new services and resolving social issues.

Diversification of contact points between cyberspace and people

Fusion of real and virtual worlds

New value is created by collecting and analyzing a diverse range of data from the real, physical world in the virtual world of the Internet (cyberspace), making available findings exclusive to experience and intuition.

IT penetrates all areas

Massive amounts of real-world data drawn from machinery and sensors made more advanced through high-performance computing.

JEITA