

## IoT – M2M Integration

### M2M Integration – IoT technology

Today, more and more people have experience the benefits of internet and smart devices in recent years. This digital revolution is going to a new era by IoT technology. For instance, the smart city is a digitized city that use technologies to provide better efficient urban services and improving the quality of life for citizens. Smart cities aim to bring out services as street lightning, transportation, tourism, video surveillance, parking, etc. In the evolution of smart cities early stage, a well infrastructure of network for IoT incorporation is a key factor to connect every vertical services. MSI is giving an intelligent IoT gateway to make M2M relative programs to be easier.

### MSI micro IoT gateway solution

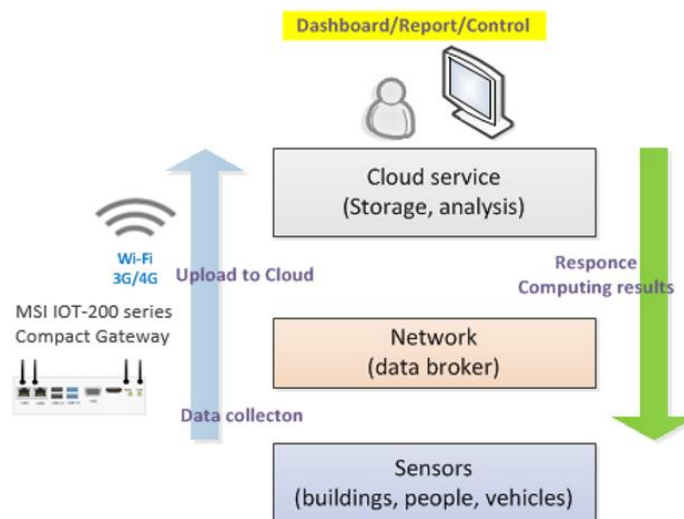
In the smart cities exists numbers of sensors everywhere, an IoT gateway is to collect all information from local sensors and upload to cloud center to manage and response. (Figure 1.)

With the amounts of sensors, to deploy IoT gateway is necessary infrastructure as a data broker. Here's some critical functions to archive.

#### 1. Mobility and compact

MSI IOT-200 is designed in a very small box and able to wall-mount at everywhere. Base this compact design, IOT-200 can be located in every places and save space.

Figure 1. MSI micro IoT gateway architecture



#### 2. High speed network with security and manageability

A M2M integrated environment needs secured network and low latency to archive such agile application for everything, everyone.

MSI IOT-200 provides wireless service to connect machines through Wi-Fi/3G and 4G in order to sustain higher and higher bandwidth requirement.

Thus, in the real smart city, MSI N2000 series network security can overcome the local bandwidth demand and provide security service as VPN/Firewall/Router/ etc. in the meantime. For smart city program, MSI IoT solutions could satisfy

network requirement and reduce cost. The whole IoT solutions could referred figure 2 as presented.

Figure 2. MSI IoT solutions for M2M networking

**M2M seamless, secure, and scalable connectivity to things and people**

