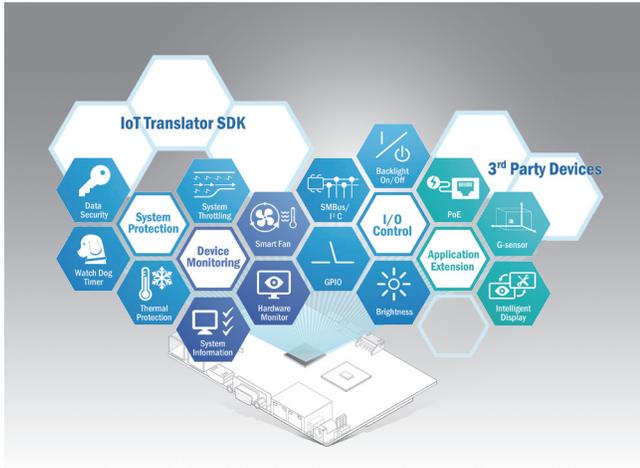


# SUSI APIs

## Secure, Unified, and Smart Interface



### Features

- Simplify and enhance Hardware & Software application implementation
- Easy programming and configuration features while integrating solutions
- Easy development using a modularized API design
- Support cross-platform compatibility (Windows, Linux, Android, RTOS)
- Easy deployment using the IoT Translator Software Development Kit (SDK)

## Introduction

Advantech has created SUSI APIs to simplify application development and offer exclusive services with Advantech's embedded platforms. SUSI APIs make it easier for customers to program and configure features while integrating solutions. SUSI APIs provide a series of functions with a modularized design. Customers can easily implement them to fulfill their application requirements. For outdoor applications, for example, customers can easily configure hardware monitors, thermal protection settings, system throttling, and brightness levels for digital signage players and display control and management interfaces. New platforms can be easily upgraded without effort needing to be expended on redesigning applications. SUSI APIs provide an IoT Translator SDK to assist customers with easily integrating their own devices on Advantech embedded platforms. This SDK effectively plays the role of a translator, allowing plug-in functions to connect to peripherals and run applications. The full functionality of SUSI APIs provides a building block to accelerate development, enhance security, and offer added-on value. Furthermore, SUSI APIs comply with the IoT data communication standards PICMG EAPI and JSON. They also support cross-platform compatibility and can thus easily be applied to third-party applications by using the IoT Translator SDK. Simplify your application development and upgrade.

## Service Highlights

### System Protection

Secure system data and protect system performance

- Data security
- Watch Dog Timer
- Thermal protection
- System throttling



### Device Monitoring

Monitor and detect device data for further management

- Smart fan
- Hardware monitoring
- System information



### I/O Control

Access and manage I/O for device control

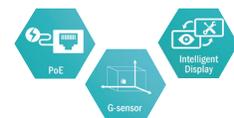
- GPIO
- SMBus/I2C
- Backlight on/off
- Brightness



### Application Extension

Access to external modules or devices for application development

- PoE
- G-sensor
- Intelligent display



## IoT Translator SDK

Aiming toward fast development and deployment for IoT applications, Advantech provides a modularized SDK to help customers easily integrate their own devices on an Advantech platform. This SDK plays a role as a translator, allowing plug-in functions to connect with Advantech WISE-PaaS.