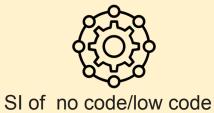


Value

Built for System Integrator's Innovations by providing Tools, API, Protocols

Target Customers





SI with coding capability

Key **Features**



Config tools (Command & GUI)







Protocols (Modbus, MQTT...)



Quick config, easy customize

- Access all hardware features
- Protocols & code template to easily connect sensors





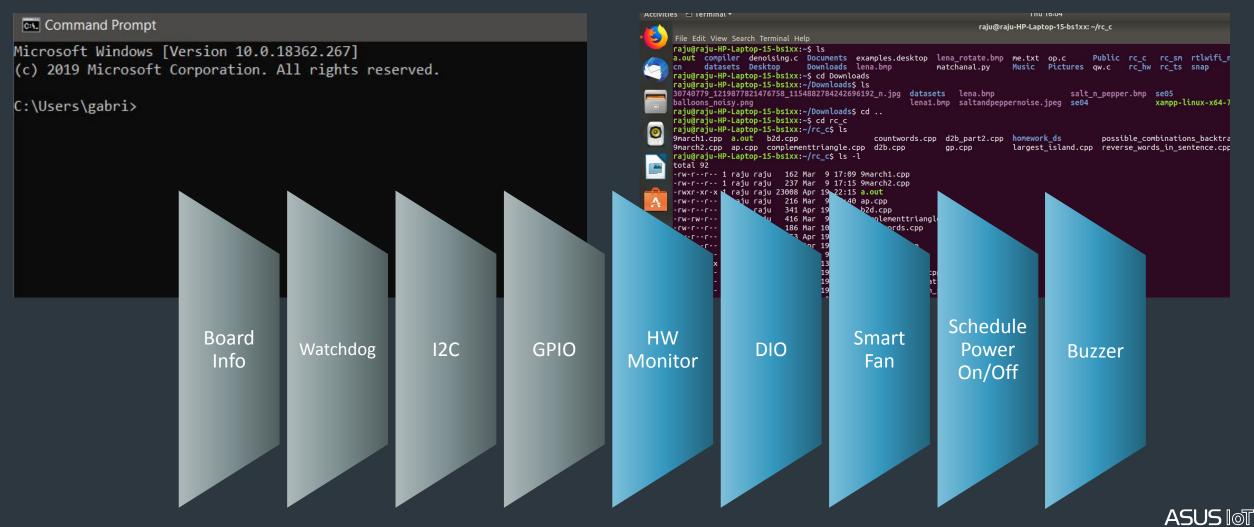




Command Line (CLI) config tool

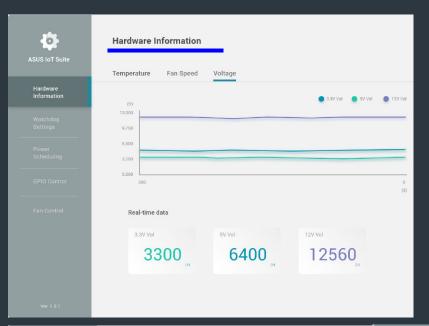
Windows

Linux (Debian, Ubuntu)

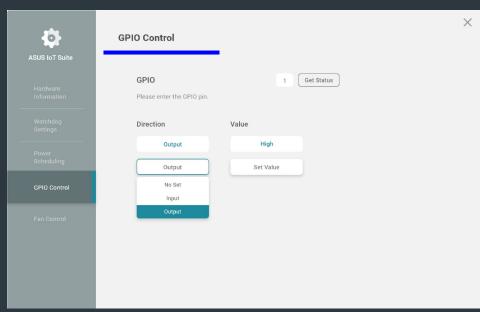


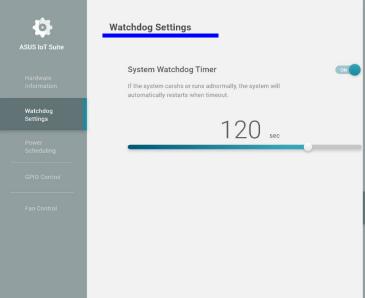
GUI config tool (IoT Suite)

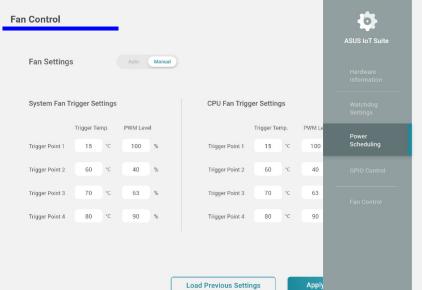
0

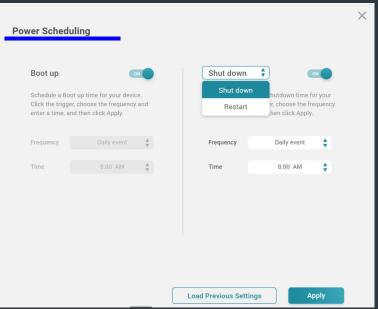






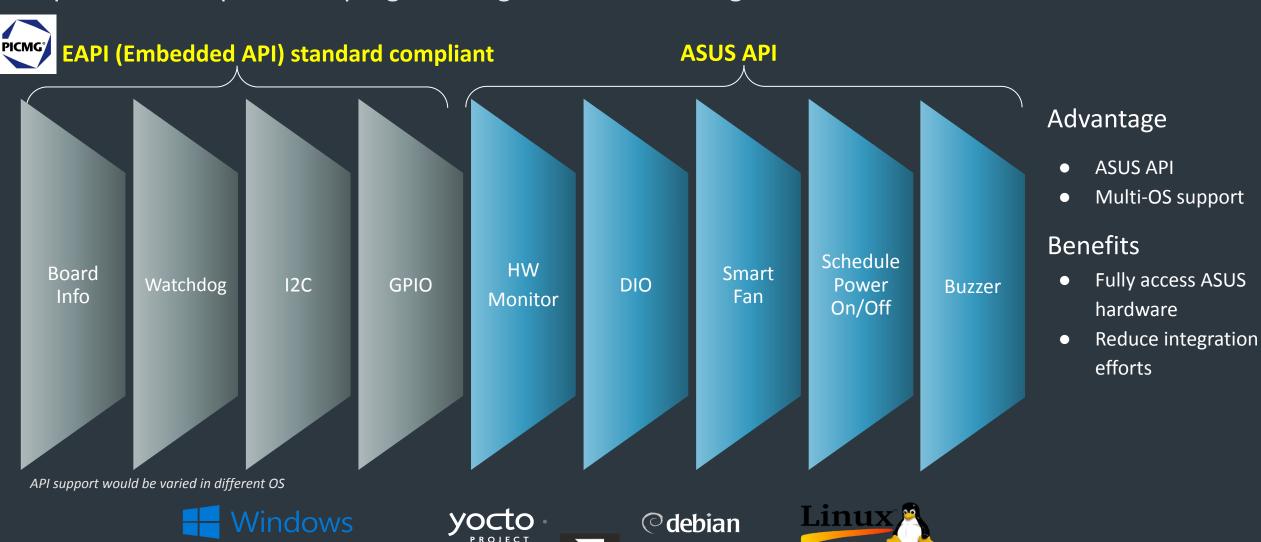






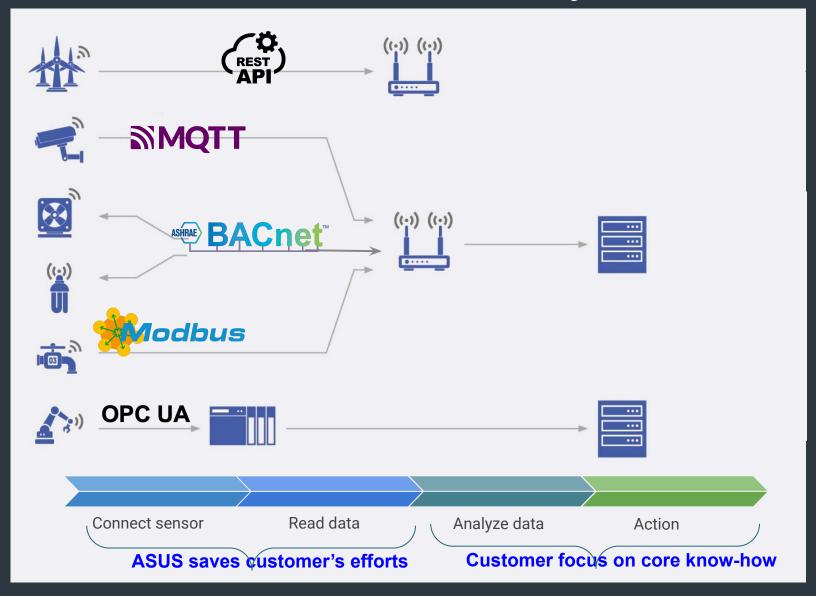
ASUS IoT Middleware API

provides complete HW programming control and configuration for ASUS IoT devices



ASUS IoT

Connect sensors easily



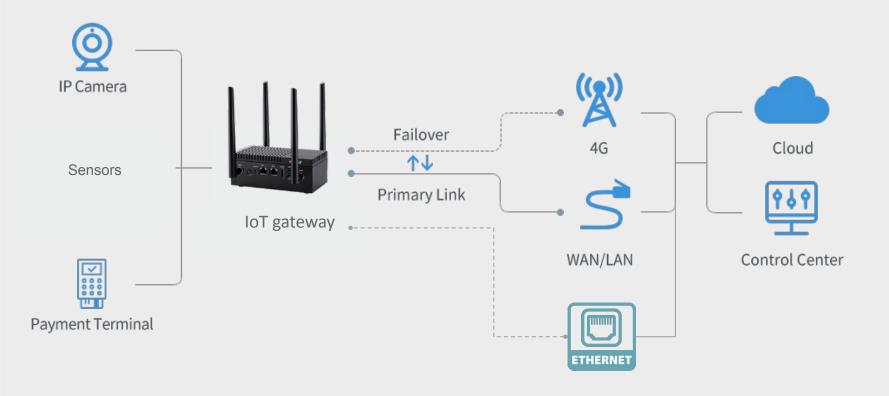
Features

- REST
- MQTT
- Modbus RTU
- Modbus TCP
- BACnet

Benefits

- Code templates & protocols to easily connect sensors
- Rule engine at Edge

System is Always Connected



Features

- LTE automatic recover
- Multi-Networks automatic failover

Benefits

- Always connected system
- Minimum disconnection & data loss

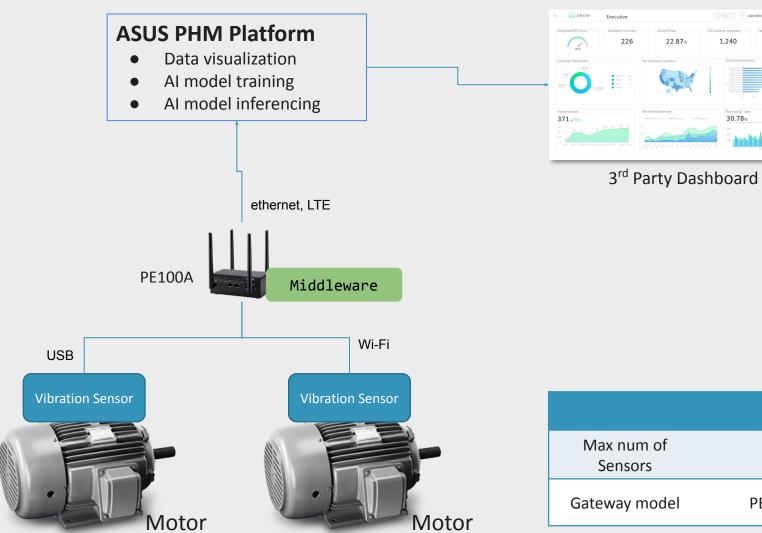
DOWNLOADS

HA connection service User guide [LINK]





Case Sharing: Motor Health Prediction



	Lite	Professional	Enterprise
Max num of Sensors	10	100	500
Gateway model	PE 100A	PE 200U	PE4000D



Case Sharing: Cold chain management



Benefits

- Easily connect with sensors (protocols: Modbus, BACNET, MQTT...)
- Flexible backend (customer backend or ASUS AICC)
- Rule engine





ASUS IoT Middleware Supported Models







Features	Functions	x86		TinkerBoard series		ARM IPC
		Windows	Linux	Linux	Android	Linux
System Monitor	Hardware monitor & Board Info API	V	by request	V		V
	Fan control API (3)	V	by request			
	Scheduled Power on/off API (3)	V	by request			
	Watchdog API	V	by request	V ⁽⁴⁾		V (6)
	Buzzer API	V	by request			
	USB port reset	V	by request			
Peripheral	G sensor/ RTC/ COM/ Wakeup API					V ⁽⁷⁾
	GPIO (DIO) API	V	by request	V ⁽⁴⁾	V ⁽⁴⁾	V
	I2C API	V	by request	V ⁽⁴⁾	V ⁽⁴⁾	
	SPI API				V ⁽⁴⁾	
	UART API				V ⁽⁴⁾	
	PWM API				V ⁽⁴⁾	V ⁽⁷⁾
	LTE auto recover			V ⁽⁵⁾		V (6)
	Wi-Fi / LTE auto failover			V ⁽⁵⁾		V (6)
	Protocols (MQTT, Modbus, BACNET)				x	V



Thank you