

# RS4U-8172-M2M

Making machine control more easy.  
Powerful and tolerate unstable power voltage transient loss.

## Compact System for Industrial Automation & Control Targeting Machine-to-Machine

### Key Features

- New Apollo Lake platform
- 4K codec encode & decode ability
- 2x integrated Realtek GbE
- 12, 19-24V wide range DC in
- API function control
- Integrated TPM support

### Key Benefits

- Low power and cost
- Support 4Kx2K high resolution
- Realtek GbE for cost saving
- TPM support for security purpose
- Wide DC in support for harsh environment
- Easy H/W control by API

### Specification

Chassis	RICH-33B0
PSU	12V & 19~24V DC-IN
Storage	M.2 32GB
M/B	WADE-8172, w/N3350 Apollo lake, 2GB X2 DDR3L
Operating System	N/A
Operating Temperature	-5~50 °C

### Memory

DDR3L SO-DIMM		
B473D512	2GB	(GP).DDR3L SO-DIMM DRAM Module 2GB DDR3-1600 1.35V , 256x8, Hynix

### Adaptor

APH-3051, FSP060-DIBAN2. 60W AC/DC Power Adapter.  
DC-plug with screw

### Storage

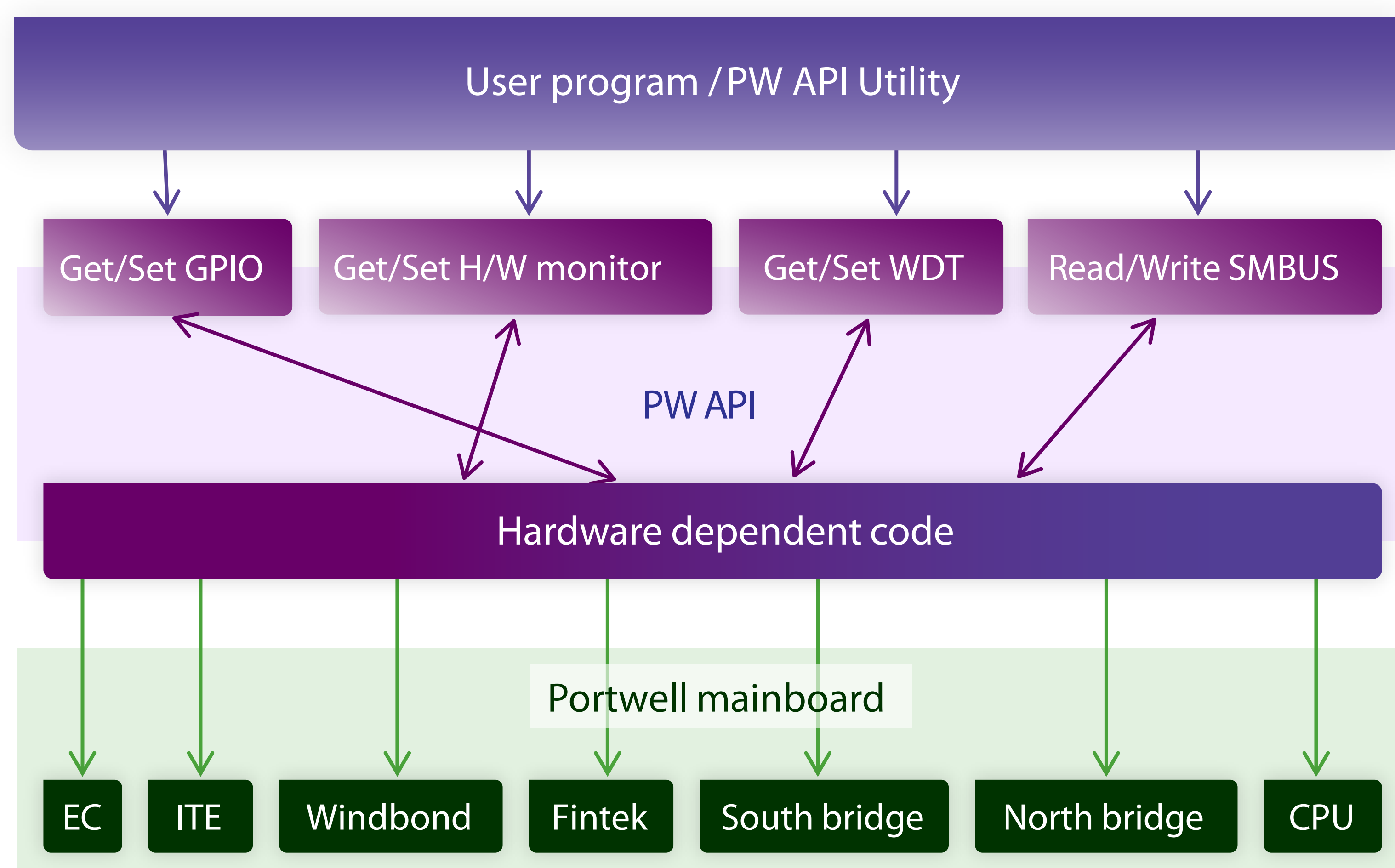
M.2 2242 SATA III		
B473J480	32GB	(GP). 32GB M.2 2242 SSD, SATA3, TS46EMM , MLC

### Wall Mount

B7245830, RICH-33B0-8078.Wall mount Kit

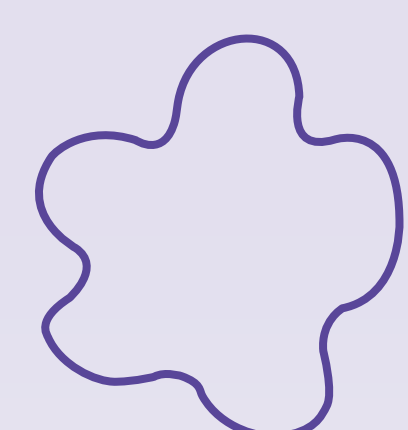
### API: Application Programming Interface

Portwell API(Application Programming Interface) is a bridge to simplify and enhance H/W & S/W application implementation efficiency



### What API do ?

- Hardware monitor- (PWR, Temp, Fan speed)
- Fan control - (Temp controls fan speed)
- GPIO control (programmable)
- WDT (Reset, Show-down, NMI)
- SMBus (controlled by PCH)
- I<sup>2</sup>C



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