

# RS4U-B641-P&E

Renewable energy, Renewable system.  
Today's resource for a brighter tomorrow!



## Compact System for Industrial Automation & Control Targeting Power & Energy

### Key Features

- New Apollo Lake platform
- 4K codec encode & decode ability
- 9-32V wide range DC in
- eAPI function control
- CFEX support with SPI ROM inside

### Key Benefits

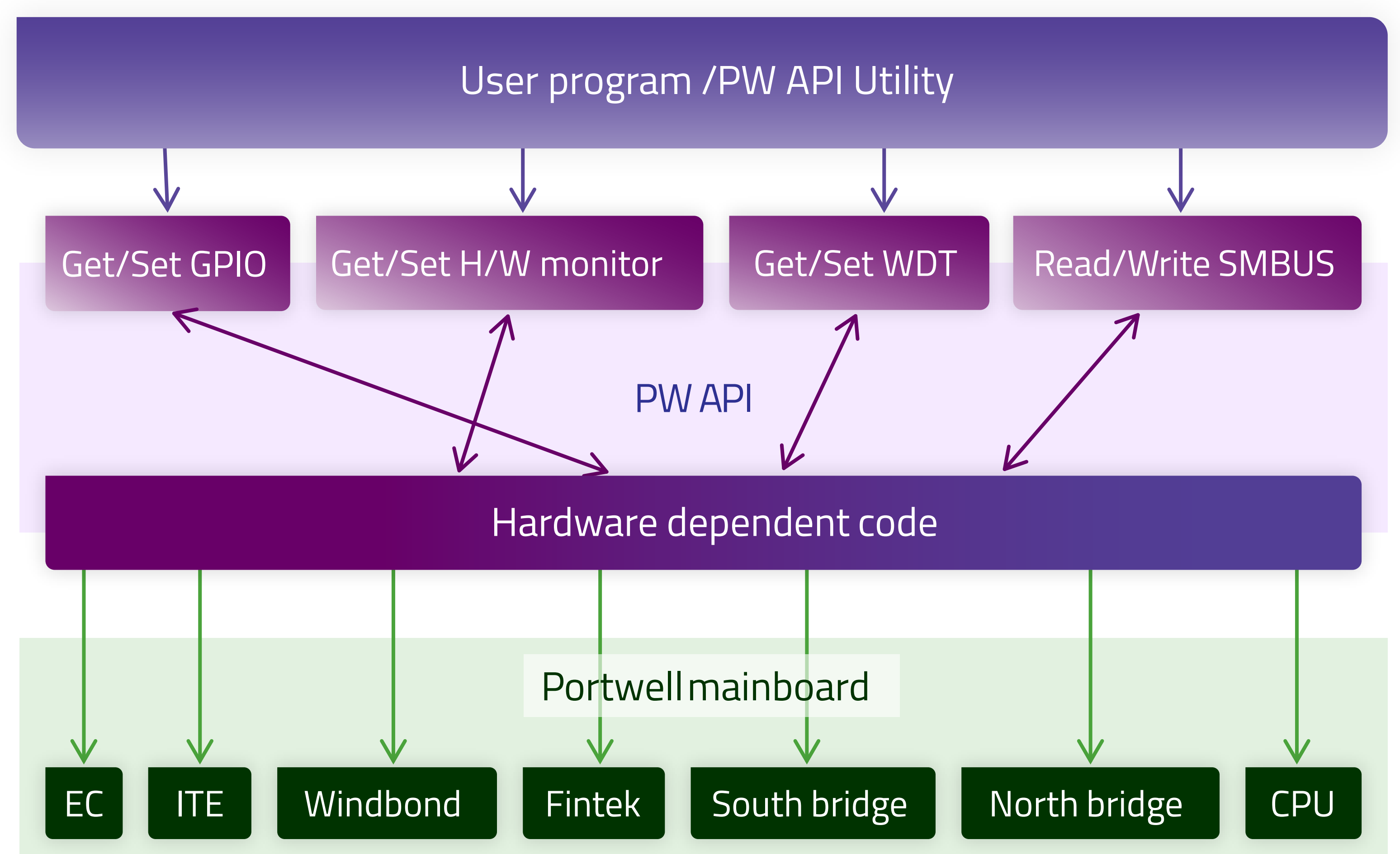
- Low power and cost
- Support 4Kx2K high resolution
- 50G static shock and 5Grms dynamic vibration
- Storage and security functions on CFEX
- Wide DC in support for different usage
- Easy H/W control by eAPI

### Specification

|                       |                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                   | Intel® Pentium® Processor N3350 (Apollo Lake)                                                                                             |
| Memory                | DDR3L 4GB 1600 SO-DIMM                                                                                                                    |
| Storage               | CFEX 2GB & 64GB SATA SSD                                                                                                                  |
| I/O Interface         | 1x VGA, 1x HDMI, 1x DP<br>4x USB3.0 (Rear)<br>2 x COM (1x RS-232/42/485, 1x RS-232)<br>1 x Audio (MIC-in/Line-out)<br>2x Gigabit Ethernet |
| Power Input           | 9~ 32V DC Input                                                                                                                           |
| Dimension             | 253(W) x 190(D) x 70(H) mm                                                                                                                |
| Weight                | 4Kg                                                                                                                                       |
| Operating Temperature | -20~50 °C                                                                                                                                 |

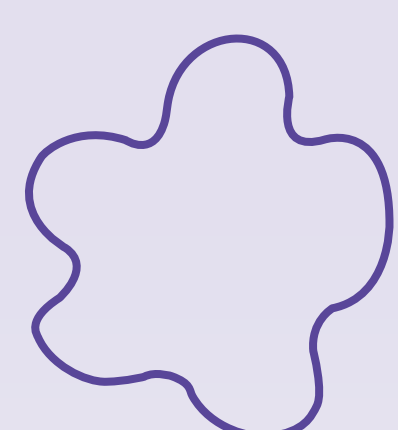
### API: Application Programming Interface

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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