

# RS4U-8112-MES

Multiple & synchronization control in manufacturing execution system.



## 4U System for Industrial Automation & Control Targeting Manufacturing Execution System

### Key Features

- Haswell platform with ECC support
- Integrated I210 GbE x1 with EtherCAT optional 3<sup>rd</sup> party driver support
- Xeon® power with Desktop price, higher C/P
- API function control by Super IO
- Support up to 9x legacy PCI slots

### Key Benefits

- Cost vs. Performance
- Mature platform for quick design win
- EtherCAT optional support available
- Rich legacy expansion support
- Easy H/W control by API

### Specification

Chassis	AREMO-4196
PSU	PLUTO-D5001
Storage	N/A
SBC	ROBO-8112, w/E3-1225v3 CPU, 4GB X2 DDR3 ECC
BP	PBPE-12A9
OS	N/A
OT	0~50 °C

### Memory

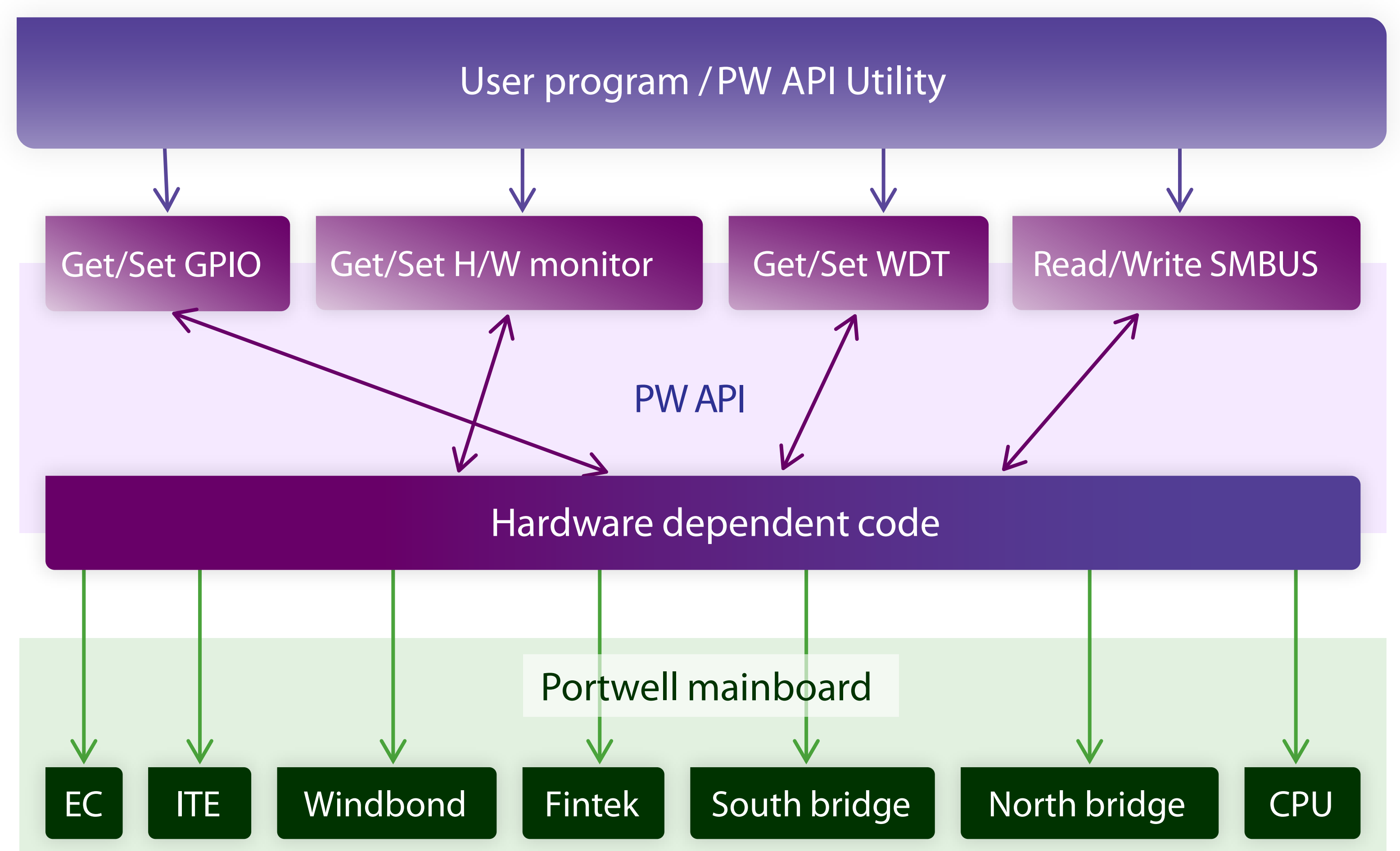
DDR3 UB-DIMM ECC		
B473E691	4GB	(GP).DDR3 ECC UB-DIMM DRAM Module 4GB DDR3-1600, 512x8 (30mi)

### EtherCAT & CANbus

Model	FC1100	GC-CAN-PCI	CAN-PCI/266	CAN-PCIe/400	CAN-PCIe/402	LPE-C122	CAN-PCIe-01
Interface	PCI	PCI	PCI	PCIe x1	PCIe x1	PCIe x1	PCIe x1
Application	EtherCAT	CANbus	CANbus	CANbus	CANbus	CANbus	CANbus

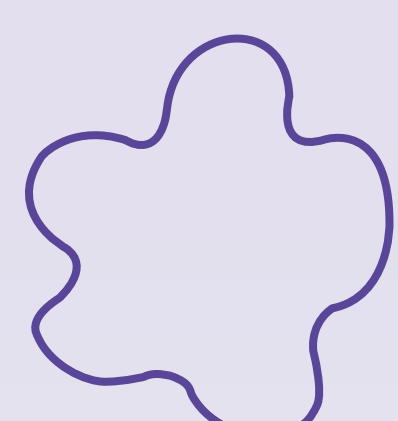
### API: Application Programming Interface

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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