

Ready Solution

Pre-configured

Field-proven

RS4U-B641-P&E



RS4U-8112-MES



RS4U-1703-IAC



RS4U-8172-M2M

-  Power & Energy
-  Manufacturing Execution System
-  Machine-to-Machine
-  Industrial Automation Control

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

Specification

Chassis	WEBS-3560B
PSU	9V~32V DC-IN
Storage	CFEX 2GB w/SPI & 64GB SATA SSD
M/B	PCOM-B641 & PCOM-C605, w/N3350 Apollo lake, 2GB X1 DDR3L
Operating System	Cent OS 7
Operating Temperature	-20~50 °C

Memory

DDR3L SO-DIMM		
B473F360	2GB	(GP).DDR3L SO-DIMM DRAM Module 2GB DDR3-1333 (30mi) 1.35V , 256x8, Hynix

Adaptor

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

Storage

CFEX / SLC with SPI		
B473D890	2GB	(GP). 2 GB CFEX Card ,SPI. Toshiba SLC (CFXST2GSC / 4G x4 / 4CH)
2.5' SATA III SSD SMI 2246EN + MICRON MLC		
B473G010	64GB	(GP). 64GB. SATA III. TS46EMM 2.5 Inch SSD. Micron/Transcend

Wall Mount

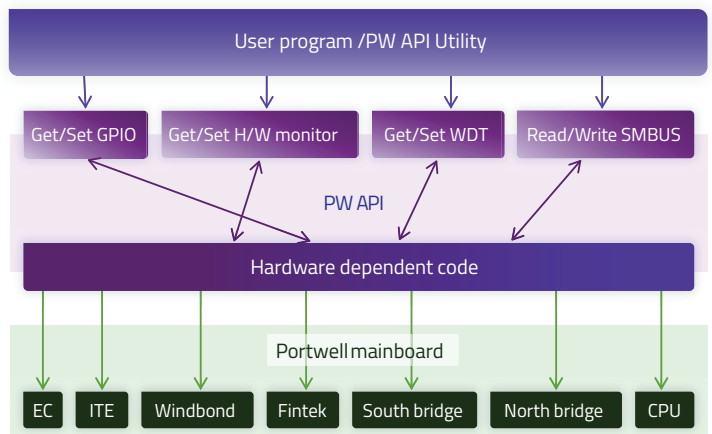
B787D340, WEBS-3560.Wall mount Kit

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

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)
- I²C



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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 3rd 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

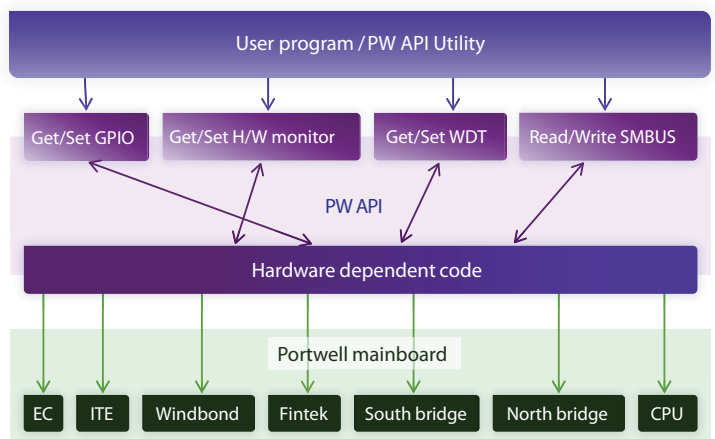
DDR3 UB-DIMM ECC		
B473E691	4GB	(GP).DDR3 ECC UB-DIMM DRAM Module 4GB DDR3-1600, 512x8 (30mi)

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

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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

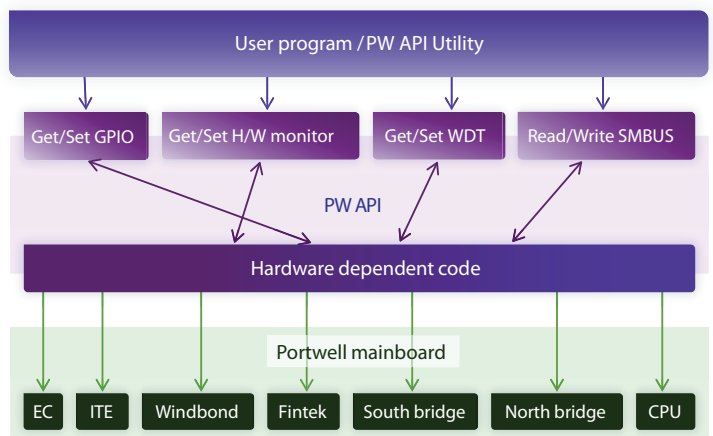
M.2 2242 SATA III		
B473J480	32GB	(GP). 32GB M.2 2242 SSD, SATA3, TS46EMM , MLC

Wall Mount

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

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- SMBus (controlled by PCH)
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Powerful, Durable & Reliable
Japan design & Made-In-Taiwan

Key Features

- Skylake-S Desktop platform
- Japan Design & MIT quality
- Integrated I210 GbE x2 with EtherCAT optional 3rd party driver support
- Four DIMM slots, up to 64GB memory support
- API function control by Super IO
- Support 2x PCIe x16 slot with 16 lanes

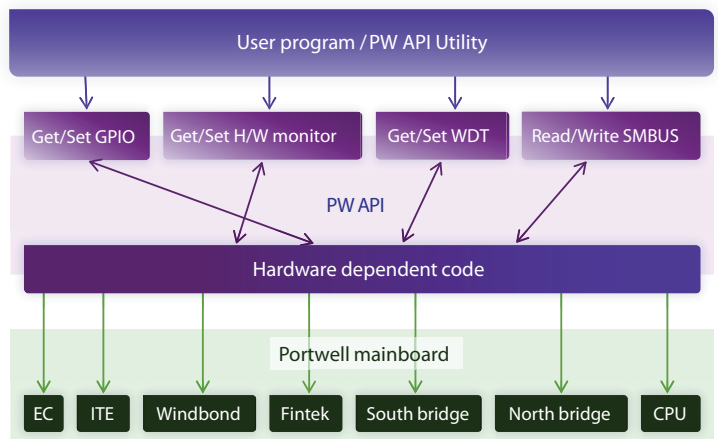
- Desktop platform
- Higher quality Industrial PC
- EtherCAT optional support available
- Easy to strengthen memory capacity
- Easy H/W control by API
- PCIe expansion for graphic card & FPGA card

Chassis	IRC-307
PSU	400W, Delta DPS-400AB
Storage	DVD-RW
M/B	RUBY-SQ1703, w/i7-6700 CPU, 8GB DDR4 memory
Operating System	N/A
Operating Temperature	0~50 °C

DDR4 R-DIMM		
B473F860	8GB	(GP) DDR4 R-DIMM DRAM Module 8GB DDR4-2133, 1.2V, 512x8. SK Hynix

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

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