

PAOI -8041



Set an example for AOI system

Compact System for Industrial Automation & Control Targeting Automated Optical Inspection

Key Features

- Support Intel® 8th Gen Coffee Lake-S processor in LGA1151
- Delivers up to 32GB maximum DDR4 2400 MT/s non-ECC SO-DIMM on two sockets
- High speed dual Gigabit Ethernet based on PCI express x1, high bandwidth I/O interface
- Support 2x PCIe x16 slots (select 1x PCIe x16 or 2x PCIe x8 signal) and 2 PCI slots

Specification

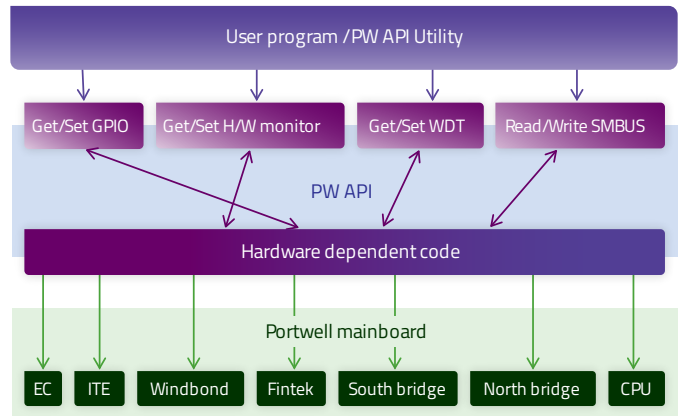
| | |
|-----------------------|---|
| CPU | Intel® 8th Gen Coffee Lake-S processor in LGA1151 |
| Memory | Supports up to 32GB DDR4-2400MT/s SDRAM on two 260-pin non-ECC SO-DIMM sockets |
| Storage | - 2x SATAIII ports - 1x mSATA socket |
| I/O interface | - 4x USB3.2 Gen1, 2x USB3.2 Gen2 - 2x Gigabit Ethernet - 2x mini DP up to 4096x2304 |
| Power Input | DC 12V ~ 36V with 3-pin Terminal Block Connector |
| Dimension | 230(W) x 231(D) x 150(H)mm |
| Weight | 5.8kg |
| Operating Temperature | 0 ~ 40 °C |

Key Benefits

- Desktop platform
- Higher quality industrial AOI system
- Easy H/W control by API
- PCIe/PCI expansion for motion control board & frame grabber card

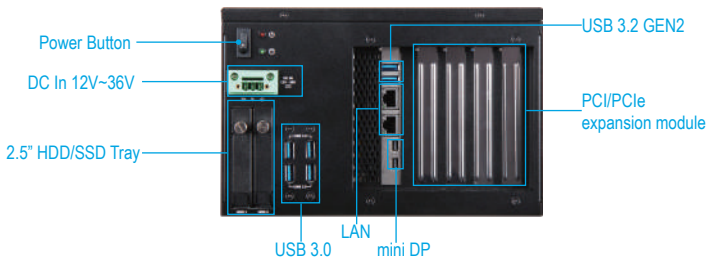
API: Application Programming Interface

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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