# BIS-5102

General Purpose Server

## AEWIN Technologies Co., Ltd.

2U rack-mount General Purpose Server with single 3rd Intel® Xeon® Scalable Processors(Ice Lake-SP) and Intel® PCH C621A workstation, support 8x DDR4 RDIMM (up to 3200MHz), 12 bays 3.5" Hot-Swap SAS/SATA HDD, IPMI, USB 3.0/2.0, 2x 1GbE, 1x Console, 2x M.2, Redundant PSU

### ■ Features

- 2U Rack-mountable Workstation System
- Single 3rd Gen Intel® Xeon® Scalable Processors up to 205W TDP
- 8x DDR4 RDIMM/LRDIMM Memory slots
- Support 5x PCIe HHHL PCIe card
- Up to 2x 80PLUS Platinum Certified 550W CRPS

CLOUD    STORAGE

## Description

BIS-5102 is a rack-mount 2U workstation system with single 3rd Gen Intel® Xeon® Scalable Processor based on the Ice Lake-SP platform. This new generation of Xeon processors brings significant improvement in core count and IPC, elevating the overall performance to a new level. With total of 64x PCIe Gen4 lanes, it offers enough bandwidth for any PCIe based accelerators. BIS-5102 is designed to accommodate 2x PCIe Gen4 x16, plus 3x more with PCIe Gen4 x8 slots. This allows the BIS-5102 to flexibly support various add-on card configuration. With on-board BMC, you can enjoy the ease of management of server class hardware. Redundant CRPS power supplies ensure the highest availability available for this server.

## Specifications

### ▼ Processor System

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|---|---|
| CPU | Support Single 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP) |
| Chipset | Intel® C621A |
| CPU | AMI 64Mb SPI BIOS |

### ▼ Memory

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|---|---|
| Technology | Total 8x RDIMMs (8x memory channels) ECC & Registered DDR4 2666/2933/3200MHz memory |
| Capacity | Validated up to 256GB (with 32GB 3200MHz RDIMMs) |

### ▼ Expansion

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|---|---|
| Onboard Expansion Slots | 2x PCIe Gen4 x16 slots 3x PCIe Gen4 x8 slots |

### ▼ I/O

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|---|---|
| USB | 2x USB 3.0 (Front I/O) 1x USB 3.0 (Rear I/O) |
| Serial | 1x RJ45 Console port (COM 1) 1x VGA port |

### ▼ Ethernet

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|---|---|
| GbE Ethernet | 2x 1GbE RJ45 ports + 1x MGMT/IPMI port |

### ▼ Storage

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|---|---|
| SATA/SAS | 12x 3.5" Hot-Swap SAS/SATA Bays |
| M.2 | 2x M.2 (2280 M-key) PCIe Gen3 x2 |

### ▼ Power Supply

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|---|---|
| Watt | Redundant 550W CRPS |

### ▼ Mechanical and Environment

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|---|---|
| Form Factor | 2U Rack-mountable Desktop Workstation |
| LED | 1x Power Button/LED 1x Reset Button 1x HDD LED 1x ID Button/LED |
| Dimension (W x D x H) | 438mm(W) x 558mm(D) x 87mm(H) |
| Operating Temperature | Operating: 0 ~ 40°C ( 32 ~ 104°F ) |
| Storage Temperature | 0 ~ 75°C (32 ~ 167°F) |
| Humidity | 10 ~ 85% relative humidity, non-operating, non-condensing |
| Certification | CE/FCC |

### ▼ Packing List

- 1x BIS-5102 unit