

# ASRock 2U4N-F/C622, Rack 2U, 4xDP node, Intel Xeon Scalable, 4xSFF/node, LAN mezz., Red. PSU, IPMI

Part number: 2U4N-F/C622



|                                   |  |
|-----------------------------------|--|
| Chassis Form Factor               | Rack 2U  |
| # of systems (nodes)              | 4  |
| CPU Socket                        | LGA 3647 (Socket P)                                      |
| # of CPU's (per node)             | 2  |
| Supported CPU's                   | Intel Xeon Scalable Processors                           |
| Memory Type                       | DDR4 ECC RDIMM<br>DDR4 ECC LRDIMM                        |
| # of DIMM's (per node)            | 16   |
| # of 2.5 hot-swap bays (per node) | 4  |
| # of PCIe x16 3.0 (per node)      | 2  |
| I/O expansions                    | optional mezzanine type-C LAN card MP-4227R2 / MP-1543R4 |
| Power Supply                      | Redundant  |
| PSU Wattage                       | 1600W  |

## 2U4N-F/C622

- 2U chassis with 4 node, 1600W Redundant (1+1) PSU
- Dual Socket Intel Xeon Scalable Processor per node
- Supports Six channel DDR4 2666/2400 RDIMM, LRDIMM, 16 x DIMM slots per node
- Supports 4 x 2.5" HDD/SSD per node (all SATA or 2 x NVME\* + 2 x SATA) per node
- Supports 2 x PCIe3.0 x 16 (Low Profile) per node
- Integrated IPMI 2.0 and KVM with Dedicated LAN per node
- Supports optional mezzanine type-C LAN card [MP-4227R2](#)/ [MP-1543R4](#)

## Specifications

### System

|               |  |
|---------------|--|
| Form Factor   | - 2U Rackmount   |
| Chassis Model | - 2U4N-F   |
| Dimensions    | - 820mm X 442.2mm X 86.6mm                             |
| Support MB    | - Half, 20"x6.5" ( <a href="#">EP2C622D16HM-C</a> x 4) |

### Front Panel

|   |  |
|---|--|
| Buttons   | - Power On/Standby button(per node) in the front<br>- System reset button(per node) in the front<br>- UID button(per node) in the rear |
| LEDs  | - HDD Act/Err/Locate LED<br>- Power LED (Front Panel per Node)<br>- UID LED (Front Panel per Node)                                     |
| I/O Ports   | - 1 x USB 2.0 ports(per node)  |
| <b>Rear IO</b>  |  |
| USB 3.0   | - 2  |
| VGA   | - 1 x D-Sub  |
| Lan Port  | - 1 (IPMI) Lan port (RJ45)<br>- LAN Ports with LED (ACT/LINK LED and SPEED LED)  |
| Additional LAN Port                                   | - 2 x 10G SFP+(Fiber) by mezzanine card <a href="#">MP-4227R2*</a> or 4 x GLAN by mezzanine card <a href="#">MP-1543R4*</a>            |
| * Optional part, please contact with ASRockRack sales |  |
| <b>External Drive Bay / Storage</b>                   |  |
| Front Side Drive Bay                                  | - 4x 2.5" HDD/SSD per node (all SATA or 2 x NVME + 2 x SATA)   |
| Output Watts  | - 2 (1+1) 1600W Redundant  |
| Efficiency  | - Platinum   |
| Front   | - System Fan: 40x56mm x16 per node   |
| <b>Processor System</b>                               |  |
| CPU   | - Supports 2 <sup>nd</sup> Gen. Intel® Xeon® Scalable Processors / Intel® Xeon® Scalable Processors                                    |
| Socket  | - Dual Socket P, LGA3647   |
| Chipset   | - Intel® C622  |
| <b>System Memory</b>                                  |  |
| Capacity  | - 16 DIMM slots  |
| Type  | - Six Channels memory technology<br>- Support DDR4 2666/2400 RDIMM and LRDIMM  |
| DIMM Size Per DIMM                                    | - RDIMM: 32GB, 16GB, 8GB, 4GB<br>- LRDIMM: 64GB, 32GB  |
| Voltage   | - 1.2v   |
| <b>Expansion Slot</b>                                 |  |
| PCIe 3.0 x 16   | - 2 slots (Low Profile card) per node  |
| <b>Management</b>                                     |  |
| BMC Controller  | - ASPEED AST2500   |
| IPMI Dedicated GLAN                                   | - 1 x Realtek RTL8211E for dedicated management GLAN   |
| Features  | - Watch Dog<br>- NMI   |
| <b>Graphics</b>                                       |  |
| Controller  | - ASPEED AST2500   |
| VRAM  | - DDR4 16MB  |
| <b>Environment</b>                                    |  |
| Temperature   | Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C   |

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specification is not guaranteed.

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