# CSA-5200

*2U Rackmount Network Appliance with Intel® Xeon® Processor E3-1200 v3 Family*

## Features

- 4th Gen Intel® processor Xeon® E3-1200 v3 with Intel® C226 Chipset
- High scalability with four Network Interface Module (NIM) slots and four 2.5''/3.5'' SATA drive bays
- Up to 32x GbE ports or 8x SFP+ with I/O intensive architecture
- Flexible storage interfaces: SATA, SATADOM, CFast
- 2U 19'' rackmount form factor for communications infrastructure deployment



## Specifications

### CPU / Chipset / Memory

| | |
|---|---|
| CPU | Intel® Xeon® E3-1275 v3 (4C/8T) |
| | Intel® Xeon® E3-1225 v3 (4C/4T) |
| | Intel® Core™ i3-4330 (2C/4T) |
| L2 Cache | 8MB/4M/3M/2M depending on CPU |
| Chipset | Intel® C226 Chipset |
| Memory | 4x DDR3-1066/1333/1600 240-pin DIMM sockets, non-ECC, up to 32 GB |

### BIOS

| | |
|---|---|
| Chip | AMI BIOS on SPI flash memory |

### I/O Interfaces

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|---|---|
| Expansion Slots | 4x Network Interface Module (NIM) slots (proprietary) |
| Ethernet | 2x RJ-45 10/100/1000BASE-T Ethernet ports |
| Console | 1x RJ-45 serial port |
| USB | 2x USB 3.0 |
| Security Acceleration | 1x PCIe Gen2 x4 socket for Cavium or other acceleration card (onboard) |
| Graphics | 1x VGA socket onboard |

### Control Buttons

| | |
|---|---|
| Power | 1x rocker-type ATX power button (rear) |
| Bypass | 1x bypass button (front) |

### Storage-Internal

| | |
|---|---|
| Drive Bays | 4x 2.5" or 3.5" SATA drive bays |
| Other | 1x SATADOM*, 1x CFast socket |

*Note: mSATA and SATADOM share SATA channels with SATA drive bays.

### Other

| | |
|---|---|
| LEDs | Power, bypass, drive activity |
| Operating System | Windows 7 64bit, Linux kernel 2.6 or above |

### Mechanical and Environmental

| | |
|---|---|
| Form Factor | 19" 2U rackmount 440mm x 88mm x 460 mm (W x H x D) |
| Fans | 3x fans, variable speed (can function normally with 2 fans) |
| Power | 300W, 100V~240VAC @ 50~60 Hz, full range, 1+1 redundant, hot swappable |
| Temperature | Operating: 0°C to +40°C |
| | Storage: -40°C to +70°C |
| | Short term operating: -5°C to +45°C (5%-90% rel. humidity) |
| Humidity | Operating: 20% - 90% @40°C, non-condensing |
| | Storage: 5% - 90%, non-condensing |
| Shock | Operating: Half-sine 2G, 11ms pulse, 100 pulses in each direction, on each of the three axes |
| | Non-operating: Trapezoidal, 25G, 170 inches/sec delta V, three drops in each direction, on each of the three axes |
| Vibration | Non-operating: 2.2Grms, 10 minutes per axis on all three axes |
| Acoustic Level | Sound pressure < 75 dBA @1m with all fans at maximum speed |
| Certifications | FCC Class A, CE Emissions, CCC, UL, CB and RoHS compliant |
| MTBF | 50,000 hours |

## Network Interface Module

| Model Number | Description | P/N |
|---|---|---|
| CSA-Z4X01 | NIM1: 4-port GbE copper NIM with LAN bypass (Intel® I350-AM4) | 91-37590-100E |
| CSA-Z5C4F | NIM2: 4-port GbE SFP NIM without LAN bypass (Intel® I350-AM4) | 91-37585-000E |
| CSA-Z8X10 | NIM3: 8-port GbE copper NIM with LAN bypass (2x Intel® I350-AM4) | 91-37588-000E |
| CSA-Z5C2F | NIM4: 2-port SFP+ NIM without LAN bypass (Intel® 82599) | 91-37589-000E |
| CSA-Z5C8F | NIM5: 8-port GbE SFP w/o LAN bypass | 91-37592-000E |

## Software Support

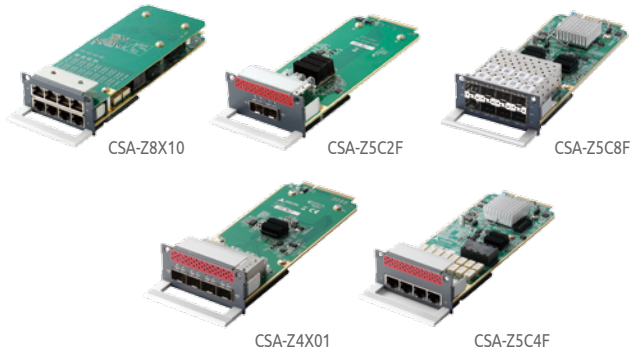
| Name | Description |
|---|---|
| ADLINK PacketManager | Includes DPDK toolkit, DPI toolkit, Load Balance toolkit etc. |

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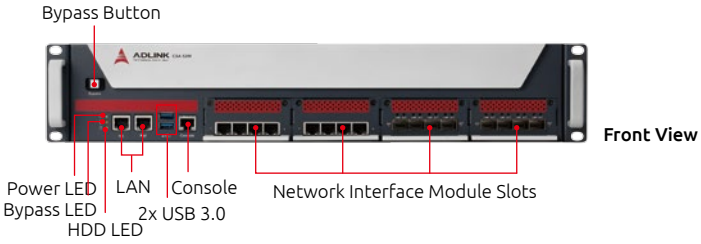
# Ordering Information

| Model Number | CPU | RAM | Storage | NIM | PSU |
|---|---|---|---|---|---|
| CSA-5200-E30410 | E3-1275 v3 | 4G | 500G 3.5" SATA HDD | 1x CSA-Z4X01 | 1+1 AC Redundant |
| CSA-5200-E30811 | E3-1275 v3 | 8G | 1T 3.5" SATA HDD | 4x CSA-Z4X01 | 1+1 AC Redundant |
| CSA-5200-E310840 | E3-1275 v3 | 8G | 1T 3.5" SATA HDD | 2x CSA-Z5C2F + 2x CSA-Z8X10 | 1+1 AC Redundant |

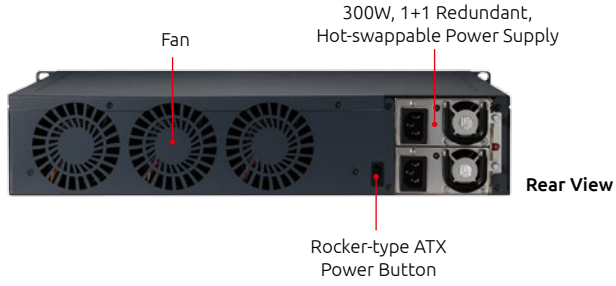
| Model Number | Description | P/N |
|---|---|---|
| CSA-5200RC | Riser card for PCIe x 4 expansion card | 91-37591-000E |



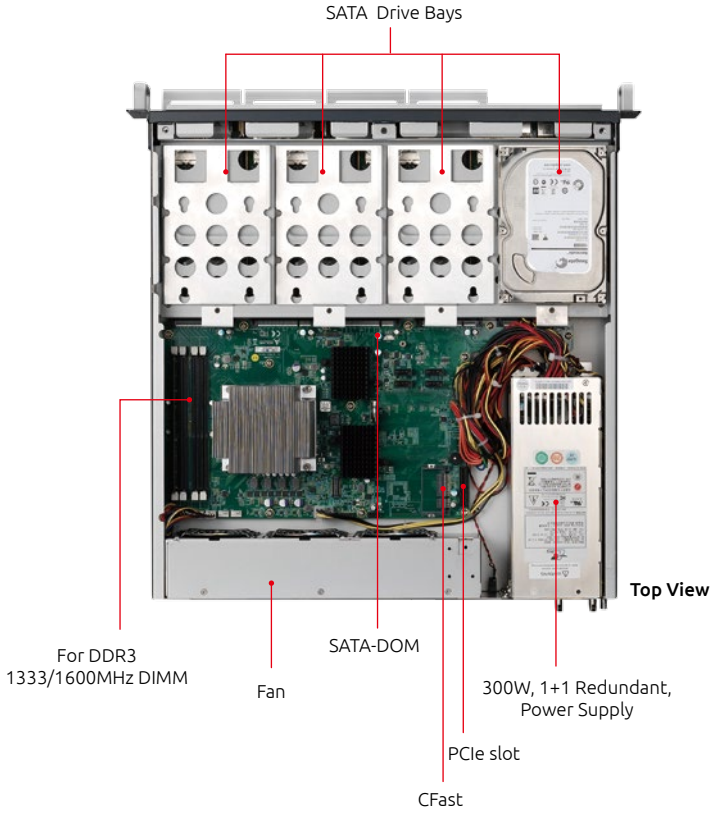

# Mechanical Layout




**Front View**




**Rear View**




**Top View**

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