

OpenBLADE

Futurize your IT

High-Density, Full-Rack Solution Optimized for CAPEX & OPEX

OpenBlade rack solution is designed for modular and scalable needs. From 5U to 44U, the server enclosure cabinet includes network, management in a rackable chassis.

The first hardware-agnostic blade server, OpenBlade gives you the freedom to evolve at your speed, within your budget, and based on your needs. Streamlined cabling reduces the number of cables by up to 90% for more accessible maintenance. Thanks to OpenBlade's centralized power distribution, this solution even uses up to 50% less power. Servers can be duplicated and supplemented to adapt and meet specific needs.

The design of the OpenBlade solution provides full customizable and scalable performance for multiple needs. Each custom node can be managed with its own remote controller integrated in the enclosure.

Nodes, switches, and power connectors are easy to reach thanks to a front I/O design. OpenBlade provides high performance and reliability for storage, hosting, broadcast, and HPC.



KEY BENEFITS

THE FIRST HARDWARE-AGNOSTIC BLADE SERVER

The design of the OpenBlade solution provides full customizable and scalable performance for multiple needs. Try the BYOB (Bring your own blade) !

UP TO 11 DIFFERENT BLADE DESIGN

11 different blades designed for specific needs such as compute, networking, storage, broadcast, GP/GPU, IoT, hosting, Big Data, or create your own.

COMPLETE FRONT MAINTENANCE

Nodes, switches, and power connectors are easy to reach thanks to a front I/O design, preventing access from the hot corridor.

EMBEDDED NETWORK

The network infrastructure features low latency, low power consumption, high density and offers 48x 1GbE for servers (3x 1 GbE per blade), 6x 20 GbE uplink (no oversubscription) and a wide range of L2, L3 features such as MPLS.

REMOTE MANAGEMENT CONTROLLER

Controller enables the remote management via web GUI interface. The controller can support the management of each blade: on/off power, reset, blades health, fans, switches, powerbank monitoring and temperature.

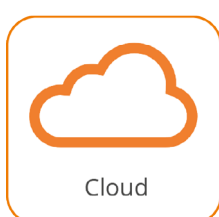
INNOVATIVE COOLING

Cooling done by bigger, slower fans reducing vibration and noise. The cooling system is done by two fans (170 mm) integrated behind each chassis.

POWER COPPER BUSBARS

Copper busbar is installed inside every chassis. From the power bank, the power supply can redistribute to every single chassis drastically reducing the required cables.

APPLICATIONS

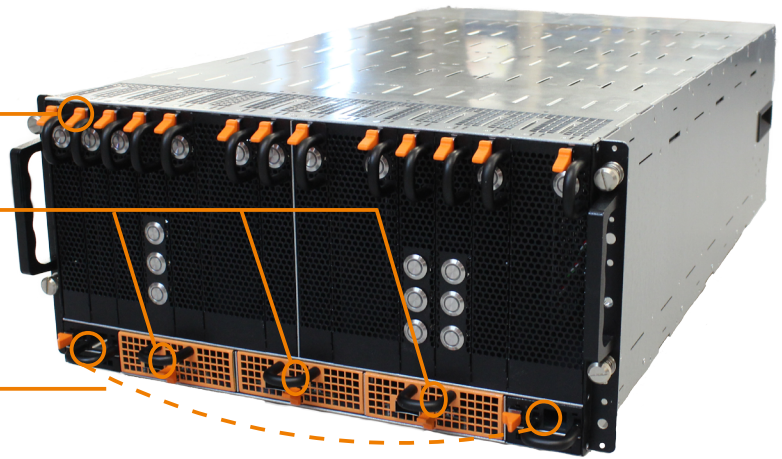


PRODUCT VIEW

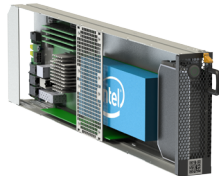
Up to 16 blades / 48 nodes

Up to x3 Switches

2x Managements Ports



Compute FIO



HPC



Simulation



Storage



Big Data

**Pictures may differ from actual products depending the specifications*

5U ENCLOSURE SPECIFICATIONS

Form Factor	2CRSI 5U Rack Mount Chassis
Dimension	242.5 mm (H) x 447 mm (W) x 800 mm (D)
Management Modules	2x remote management controller modules per enclosure
Switch Modules	Up to 3 switches with: <ul style="list-style-type: none">• 16x 1Gb/s down - 4x 10Gb/s up (QSFP+)• 16x 10 Gb/s down 2x 100 Gb/s up (QSFP28) (coming soon)
Fans	2x 170mm redundant system FANs

FEATURES

- 11 different blades designed for compute, networking, storage, GP/GPU, IoT, hosting, etc.
- BYOB: Bring Your Own Blade
- Create and mix the blade you need
- Embedded network
- Cooling done by bigger, slower fans reducing vibration and noise
- Immersion in liquid cooling ready

RACK SYSTEM SPECIFICATIONS

Form Factor	44U rack server
Dimension	600 mm x 1000 mm x 2075.7 mm
System Enclosure	Each rack supports up to 8 OpenBlade server enclosures
TOR Switch	48x 10 GbE SFP+ ports 4x 40 GbE QSFP+ ports
Management Switch	8x 1 GbE ports 2x 10 GbE ports
Power Supply	Redundant 1U-height power shelf: 2 inputs / single or 3-phase, line-to-line input AC 400/480 V or 208 V <ul style="list-style-type: none">• Option #1: 14400 W (5+1)• Option #2: 8700 W (3+3)
Power Bars	Each rack system includes 3 pairs of power bars installed
Operating Temperature	5°C ~ 35°C

www.openblade.io

For further information please contact your 2CRSI representative:



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