

NEC Blade System Enclosures

RELIABLE AND SIMPLIFIED INFRASTRUCTURE FOR ANY KIND OF BUSINESS



HIGH AVILABILTY

SUPERIOR ENERGY EFFICIENCY

SIMPLIFIED IT MANAGEABILTY

Infrastructure for Consolidation and Virtualization

Featuring hot-swappable and redundant components (power supply, management cards, and cooling fans), server blades, and switch modules, NEC's blade enclosures deliver high availability and reliability benefits while enabling space efficiency through server consolidation.

For Every Scale of Server Consolidation

Two blade enclosures are available to meet the scale requirements of server consolidation. Blade Enclosure H is a 16 blade, 10U chassis. Blade Enclosure M chassis is an 8 blade, 6U chassis. Both support a variety of FC/LAN pass-through and switch module options. They also provide easy setup and configuration connectivity through the management module, redundant power supply modules, and fans to ensure that the servers maintain expected availability.

High Availability

- To prevent system shutdown by a single point of failure, the enclosures support redundant operational components (fan, power supply, and enclosure management controller).

Superior Energy Efficiency

- High efficiency power supplies and large adjustable speed fans provide high performance with lower power consumption through optimal air flow which enables efficient cooling.

Simplified IT Manageability

- NEC's unique management software, SigmaSystemCenter, enables unified management and autonomous operations which follow pre-defined policies.

HARDWARE SPECIFICATION



| MODEL | NEC Blade Enclosure H v2 | NEC Blade Enclosure M |
|--|---|--|
| Height | 10U | 6U |
| Blade bays | 16 | 8 |
| Network Interconnect bays | 8 | 6 |
| Optical drive | DVD-ROM | DVD-ROM |
| Power | Up to Six 2,269 Watt 80 PLUS® Gold certified hot plug power supply | Up to four 2,250 Watt 80 PLUS® Gold certified hot plug power supply |
| Cooling | Centralized redundant fans Up to 10 Active cooling fans | Centralized redundant fans Up to 6 Active cooling fans |
| Network Interconnects | 1Gb Intelligent L3 Switch 1/10Gb Intelligent L3 Switch 1Gb Pass-Through Card 10Gb Intelligent L3 Switch 10Gb Pass-Through 8G FC switch (12 and 24 port) 4G FC Switch (12 and 24 port) 2/4G FC Pass-Through Card (12 and 24 port) | 1Gb Intelligent L3 Switch 1/10Gb Intelligent L3 Switch 1Gb Pass-Through Card 10Gb Intelligent L3 Switch 10Gb Pass-Through 8G FC switch (12 port) 2/4G FC Pass-Through Card (12 port) |
| Management | Enclosure Management Controller Redundant configuration capable | Enclosure Management Controller Redundant configuration capable |
| Maximum power consumption | 10,231 Watt | 5,136 Watt |
| Interface | 1 USB, 1 keyboard, 1 mouse, 1 VGA | 1 USB, 1 Serial, 1 keyboard, 1 mouse, 1 VGA |
| Input Voltage | 200 - 240 VAC | 100 - 120 VAC / 200 -240 VAC |
| Dimensions (W x D x H) and maximum weight | 483 x 823 x 442 mm / 19.0 x 32.4 x 17.4 in 209 kg / 460.7 lbs. | 484.8 x 829 x 264.2 mm / 2.0 x 20.2 x 7.1 in 119 kg / 262.3 lbs. |
| Temperature and humidity conditions (non-condensing) | Operating: 10 to 35 °C / 50 to 95 °F, 20 to 80% Non-operating: -10 to 55°C / 14 to 131°F, 20 to 80% | Operating: 10 to 35 °C / 50 to 95 °F, 20 to 80% Non-operating: -10 to 55°C / 14 to 131°F, 20 to 80% |

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