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SuperBlade® Enclosure

Space Optimization

Housed within a 19" industry-standard rack, SuperBlade® servers reduce server footprint in the data center. Power, cooling and networking devices are aggregated in the rear of the chassis which optimizes the required amount of space.

Up to 10 TwinBlade (20 nodes) can be installed in a 7U chassis. Compared to the 20U of rack space that twenty 1U servers would normally require as individual servers, the SuperBlade provides more than 50% density savings with 120 nodes and 24 switches in a 42U rack..

Cable Reduction

The SuperBlade® server chassis enclosure greatly simplifies the cabling process by aggregating cabling of ten servers at once. Up to 90% of network, power, and KVM cabling required for ten 1U servers are reduced by moving to blade servers in a single chassis. These cabling reductions continue across networking, SAN connectivity, and management controllers.

Reducing the number of cables speeds up the deployment of servers and helps reduce troubleshooting issues by presenting fewer physical connections to the servers.



Enclosure SBE-720D	
Processor Blade	Up to 10 hot-plug Twin processor blades
Module Support	- Supports Intel based Twinblade® - Supports Intel and AMD based 10-blade
LED	Power LED, Fault LED
Gigabit Ethernet Switch / Pass-Through Module	Supports up to two hot-plug 1/10 Gigabit Ethernet Layer 2/3 switches/ Gigabit Ethernet Pass-Through Modules
Management Module	Supports one hot-plug management modules providing remote KVM and IPMI 2.0 functionalities
Power Supply	Up to four hot-swap 2500W power supplies, N+1 redundant
Cooling Design	Up to 16 cooling fans
Dimensions (HxWxD)	12.1" x 18.5" x 29"
Available Models	SBE-720D-R75 - Enclosure chassis with four 2500W power supplies SBE-720D-D50 - Enclosure chassis with two 2500W power supplies



Enclosure SBE-720E	
Processor Blade	Up to 10 hot-plug Twin processor blades
Module Support	- Supports Intel based Twinblade® - Supports Intel and AMD based 10-blade
LED	Power LED, Fault LED
InfiniBand Switch	Supports up to two hot-plug IB QDR switches
Gigabit Ethernet Switch / Pass-Through Module	Supports up to two hot-plug 1/10 Gigabit Ethernet Layer 2/3 switch modules
Management Module	Supports one hot-plug management modules providing remote KVM and IPMI 2.0 functionalities
Power Supply	Up to four hot-swap 2500W / 3000W power supplies, N+1 redundant
Cooling Design	Up to 16 cooling fans
Dimensions (HxWxD)	12.1" x 18.5" x 29"
Available Models	SBE-720E-R90 - Enclosure chassis with four 3000W power supplies SBE-720E-D60 - Enclosure chassis with two 3000W power supplies SBE-720E-R75 - Enclosure chassis with four 2500W power supplies SBE-720E-D50 - Enclosure chassis with two 2500W power supplies



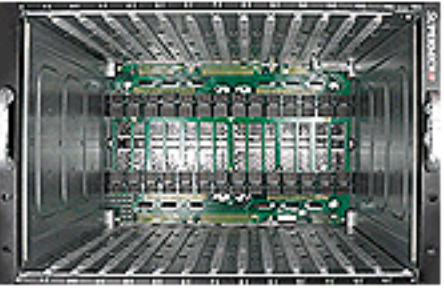
Enclosure SBE-710Q	
Processor Blade	Up to 10 hot-plug processor blades
Module Support	Supports both Intel and AMD based blades
LED	Power LED, Fault LED
InfiniBand Switch	Supports up to two hot-plug QDR IB switches
Gigabit Ethernet Switch / Pass-Through Module	Supports up to two hot-plug Gigabit Ethernet switches / Pass-Through Modules
Management Module	- Up to two hot-plug management modules providing remote KVM and IPMI 2.0 functionalities One management module comes standard with each enclosure
Power Supply	Up to four hot-swap 1620W / 2500W / 3000W power supplies, N+1 redundant
Cooling Design	Up to 16 cooling fans
Dimensions (HxWxD)	12.1" x 18.5" x 29"
Available Models	SBE-710Q-R90 - Enclosure chassis with four 3000W power supplies SBE-710Q-D60 - Enclosure chassis with two 3000W power supplies SBE-710Q-R75 - Enclosure chassis with four 2500W power supplies SBE-710Q-D50 - Enclosure chassis with two 2500W power supplies SBE-710Q-R48 - Enclosure chassis with four 1620W power supplies SBE-710Q-D32 - Enclosure chassis with two 1620W power supplies



Enclosure SBE-710E	
Processor Blade	Up to 10 hot-plug processor blades
Module Support	Supports both Intel and AMD based blades
LED	Power LED, Fault LED
InfiniBand Switch	Supports one hot-plug DDR IB switch
Gigabit Ethernet Switch / Pass-Through Module	Supports up to two hot-plug Gigabit Ethernet switches / Pass-Through Modules
Management Module	- Up to two hot-plug management modules providing remote KVM and IPMI 2.0 functionalities One management module comes standard with each enclosure
Power Supply	Up to four hot-swap 1400W / 1620W / 2000W power supplies, N+1 redundant
Cooling Design	Up to 16 cooling fans
Dimensions (HxWxD)	12.1" x 18.5" x 29"
Available Models	SBE-710E-R60 - Enclosure chassis with four 2000W power supplies SBE-710E-D40 - Enclosure chassis with two 2000W power supplies SBE-710E-R48 - Enclosure chassis with four 1620W power supplies SBE-710E-D32 - Enclosure chassis with two 1620W power supplies SBE-710E-R42 - Enclosure chassis with four 1400W power supplies SBE-710E-D28 - Enclosure chassis with two 1400W power supplies



Enclosure SBE-714E	
Processor Blade	Up to 14 hot-plug processor blades
Module Support	Supports Intel based blades
LED	Power LED, Fault LED
InfiniBand Switch	Supports one hot-plug DDR IB switch
Gigabit Ethernet Switch / Pass-Through Module	Supports up to two hot-plug Gigabit Ethernet switches / Pass-Through Modules
Management Module	- Up to 2 hot-plug management modules providing remote KVM and IPMI 2.0 functionalities One management module comes standard with each enclosure
Power Supply	Up to four hot-swap 1400W / 1620W power supplies, N+1 redundant
Cooling Design	Up to 8 cooling fans
Dimensions (HxWxD)	12.1" x 18.5" x 29"
Available Models	SBE-714E-R48 - Enclosure chassis with four 1620W power supplies SBE-714E-D32 - Enclosure chassis with two 1620W power supplies SBE-714E-R42 - Enclosure chassis with four 1400W power supplies SBE-714E-D28 - Enclosure chassis with two 1400W power supplies



Enclosure SBE-714D	
Processor Blade	Up to 14 hot-plug processor blades
Module Support	Supports Intel based blades
LED	Power LED, Fault LED
Gigabit Ethernet Switch / Pass-Through Module	Supports one hot-plug Gigabit Ethernet switch / Pass-Through Module
Management Module	- One hot-plug management modules providing remote KVM and IPMI 2.0 functionalities One management module comes standard with each enclosure
Power Supply	Up to four hot-swap 1400W / 1620W power supplies, N+1 redundant
Cooling Design	Up to 8 cooling fans
Dimensions (HxWxD)	12.1" x 18.5" x 29"
Available Models	SBE-714D-R48 - Enclosure chassis with four 1620W power supplies SBE-714D-D32 - Enclosure chassis with two 1620W power supplies SBE-714D-R42 - Enclosure chassis with four 1400W power supplies SBE-714D-D28 - Enclosure chassis with two 1400W power supplies

