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## → MicroBlade - Enclosure

### Space Optimization

Housed within a 19" industry-standard rack, MicroBlade 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 28/14 Blade (112/56 nodes) can be installed in a 6U/3U enclosure. Compared to 1U rack mount servers, the MicroBlade provides up to 95% space savings.

### Cable Reduction

The MicroBlade server chassis enclosure greatly simplifies the cabling by aggregating cabling of servers together. Up to 99% 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 MBE-314E-220 (2x PWS)	
<a href="#">Server Blade</a>	<ul style="list-style-type: none"> <li>Up to 14 hot-plug server blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap MBM-GEM-001/003i/003s or MBM-XEM-001 switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>1 hot-swap Chassis Management Module (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap high-efficiency 2000W, redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 4 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>5.215" x 17.67" x 36.10" (132.5mm x 449mm x 917mm)</li> </ul>



Enclosure MBE-314E-416 (4x PWS)	
<a href="#">Server Blade</a>	<ul style="list-style-type: none"> <li>Up to 14 hot-plug processor blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap MBM-GEM-001/003i/003s or MBM-XEM-001 switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>1 hot-swap Chassis Management Module (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 4 hot-swap high-efficiency 1600W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 4 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>5.215" x 17.67" x 34.45" (132.5mm x 449mm x 875mm)</li> </ul>



Enclosure MBE-314E-420 (4x PWS)	
<a href="#">Server Blade</a>	<ul style="list-style-type: none"> <li>Up to 14 hot-plug server blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Supports Intel® based blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap MBM-GEM-001/003i/003s or MBM-XEM-001 switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>1 hot-swap Chassis Management Module (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 4 hot-swap high-efficiency 2000W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 4 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>5.215" x 17.67" x 36.10" (132.5mm x 449mm x 917mm)</li> </ul>



Enclosure MBE-628E-420 (4x PWS)	
<a href="#">Server Blade</a>	<ul style="list-style-type: none"> <li>Up to 28 hot-plug processor blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based blades, optimize design for Intel E3 and E5 based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap MBM-GEM-001/003i/003S or MBM-XEM-001 switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap Chassis Management Modules (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 4 hot-swap high-efficiency 2000W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 8 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>10.43" x 17.67" x 36.10" (265mm x 449mm x 917mm)</li> </ul>
<b>Available Models</b>	<ul style="list-style-type: none"> <li>MBE-628E-820 - Enclosure chassis with eight high-efficiency 2000W power supplies</li> </ul>
	<ul style="list-style-type: none"> <li>MBE-628E-420 - Enclosure chassis with four high-efficiency 2000W power supplies + four fan modules</li> </ul>



Enclosure MBE-628E-820 (8x PWS)	
<a href="#">Server Blade</a>	<ul style="list-style-type: none"> <li>Up to 28 hot-plug server blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based blades, optimize design for Intel E3 and E5 based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap MBM-GEM-001/003i/003S or MBM-XEM-001 switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap Chassis Management Modules (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 8 hot-swap high-efficiency 2000W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 8 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>10.43" x 17.67" x 36.10" (265mm x 449mm x 917mm)</li> </ul>
<b>Available Models</b>	<ul style="list-style-type: none"> <li>MBE-628E-820 - Enclosure chassis with eight high-efficiency 2000W power supplies</li> </ul>
	<ul style="list-style-type: none"> <li>MBE-628E-420 - Enclosure chassis with four high-efficiency 2000W power supplies + four fan modules</li> </ul>



Enclosure MBE-628E-416 (4x PWS)	
<a href="#">Server Blade</a>	<ul style="list-style-type: none"> <li>Up to 28 hot-plug server blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based blades, optimize design for Intel E3 and E5 based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap MBM-GEM-001/003i/003S or MBM-XEM-001 switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap Chassis Management Modules (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 4 hot-swap high-efficiency 1600W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 8 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>10.43" x 17.67" x 34.45" (265mm x 449mm x 875mm)</li> </ul>
<b>Available Models</b>	<ul style="list-style-type: none"> <li>MBE-628E-816 - Enclosure chassis with eight high-efficiency 1600W power supplies</li> </ul>
	<ul style="list-style-type: none"> <li>MBE-628E-416 - Enclosure chassis with four high-efficiency 1600W power supplies + four fan modules</li> </ul>



Enclosure MBE-628E-816 (8x PWS)	
<a href="#">Server Blades</a>	<ul style="list-style-type: none"> <li>Up to 28 hot-plug server blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based blades, optimize design for Intel E3 and E5 based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap MBM-GEM-001/003i/003S or MBM-XEM-001 switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>Up to 2 hot-swap Chassis Management Modules (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 8 hot-swap high-efficiency 1600W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 8 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>10.43" x 17.67" x 34.45" (265mm x 449mm x 875mm)</li> </ul>
<b>Available Models</b>	<ul style="list-style-type: none"> <li>MBE-628E-816 - Enclosure chassis with eight high-efficiency 1600W power supplies</li> </ul>
	<ul style="list-style-type: none"> <li>MBE-628E-416 - Enclosure chassis with four high-efficiency 1600W power supplies + four fan modules</li> </ul>



Enclosure MBE-628L-416 (4x PWS)	
<a href="#">Server Blades</a>	<ul style="list-style-type: none"> <li>Up to 28 hot-plug server blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based blades, optimize design for Intel Atom based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 4 hot-swap MBM-GEM-001/003i/003S switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>1 hot-swap Chassis Management Modules (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 4 hot-swap high-efficiency 1600W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 8 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>10.43" x 17.67" x 34.45" (265mm x 449mm x 875mm)</li> </ul>
<b>Available Models</b>	<ul style="list-style-type: none"> <li>MBE-628L-816 - Enclosure chassis with eight high-efficiency 1600W power supplies</li> </ul>
	<ul style="list-style-type: none"> <li>MBE-628L-416 - Enclosure chassis with four high-efficiency 1600W power supplies + four fan modules</li> </ul>



Enclosure MBE-628L-816 (8x PWS)	
<a href="#">Server Blades</a>	<ul style="list-style-type: none"> <li>Up to 28 hot-plug processor blades</li> </ul>
<b>Node Support</b>	<ul style="list-style-type: none"> <li>Intel® based blades, optimize design for Intel Atom based server blades</li> </ul>
<b>LED</b>	<ul style="list-style-type: none"> <li>Power LED, Fault LED</li> </ul>
<a href="#">GbE Switch / Pass-Through Module</a>	<ul style="list-style-type: none"> <li>Up to 4 hot-swap MBM-GEM-001/003i/003S switches</li> </ul>
<a href="#">Management Module</a>	<ul style="list-style-type: none"> <li>1 hot-plug Chassis Management Modules (CMM) providing remote KVM and IPMI 2.0 functionalities</li> <li><b>Management module not included in the enclosure</b></li> </ul>
<a href="#">Power Supply</a>	<ul style="list-style-type: none"> <li>Up to 8 hot-swap High-efficiency 1600W, N+1 or N+N redundant power supplies</li> </ul>
<b>Cooling Design</b>	<ul style="list-style-type: none"> <li>Up to 8 cooling fans</li> </ul>
<b>Dimensions (HxWxD)</b>	<ul style="list-style-type: none"> <li>10.43" x 17.67" x 34.45" (265mm x 449mm x 875mm)</li> </ul>
<b>Available Models</b>	<ul style="list-style-type: none"> <li>MBE-628L-816 - Enclosure chassis with eight High-efficiency 1600W power supplies</li> </ul>
	<ul style="list-style-type: none"> <li>MBE-628L-416 - Enclosure chassis with four High-efficiency 1600W power supplies + four fan modules</li> </ul>

