







Model	Falcon 4005	Falcon 4010	Falcon4205	Falcon4210	Falcon 4109	Falcon 4118
						
<b>Software Features</b>						
Features	GPU composability Device surprise add and remove Device peer-to-peer (GPU P2P) PCIe port configuration Performance and error monitoring		GPU composability Device surprise add and remove Device peer-to-peer (GPU P2P) PCIe port configuration Performance and error monitoring		GPU composability Device surprise add and remove Device peer-to-peer (GPU P2P) PCIe port configuration Performance and error monitoring	
Management Interface	Redfish®, RESTful API, GUI		Redfish®, RESTful API, GUI		Redfish®, RESTful API, GUI	
Supported Browsers	Google Chrome, Microsoft Edge, Mozilla Firefox		Google Chrome, Microsoft Edge, Mozilla Firefox		Google Chrome, Microsoft Edge, Mozilla Firefox	
System Management	H3 management center Real-time GPU cluster topology Dashboard for GPU utilization, performance and other information Predictive health monitoring Role-based authentication and access control		H3 management center Real-time GPU cluster topology Dashboard for GPU utilization, performance and other information Predictive health monitoring Role-based authentication and access control		H3 management center Real-time GPU cluster topology Dashboard for GPU utilization, performance and other information Predictive health monitoring Role-based authentication and access control	
<b>Hardware Specifications</b>						
BMC/mCPU	Aspeed AST2500		Aspeed AST2500		Aspeed AST2500	
PCIe Switch	Broadcom PEX 88096 PCIe 4.0 switch		Broadcom PEX 88096 PCIe 4.0 switch		Broadcom PEX 88096 PCIe 4.0 switch	
PCIe Device Slots	<ul style="list-style-type: none"> <li>◎Four (4) GPU PCIe 4.0 x16 double width FHFL (Up to 300W)</li> <li>◎One (1) PCIe 4.0 x16 double width FHFL (Up to 75W)</li> </ul>	<ul style="list-style-type: none"> <li>◎Eight (8) PCIe 4.0 x16 double width FHFL</li> <li>◎Two (2) PCIe 4.0 x16 Low-Profile slots (can be configured to host ports)</li> </ul>	<ul style="list-style-type: none"> <li>◎Four (4) GPU PCIe 4.0 x16 double width FHFL (Up to 450W)</li> <li>◎One (1) PCIe 4.0 x16 double width FHFL (Up to 75W)</li> </ul>	<ul style="list-style-type: none"> <li>◎Eight (8) PCIe 4.0 x16 double width FHFL (Up to 450W)</li> <li>◎Two (2) PCIe 4.0 x16 Low-Profile slots (can be configured to host ports)</li> </ul>	<ul style="list-style-type: none"> <li>◎Eight (8) PCIe 4.0 x8 single-width FHFL</li> <li>◎One (1) PCIe 4.0 x16 double-width FHFL</li> </ul>	<ul style="list-style-type: none"> <li>◎Sixteen (16) PCIe 4.0 x8 single width FHFL</li> <li>◎Two (2) PCIe 4.0 x16 Low-Profile slots (can be configured to host ports)</li> </ul>

Compatible Devices	<p><b>Accelerator</b> Nvidia A100, Nvidia Tesla® V100, Xilinx® Nvidia Quadro® RTX 8000/6000 Passive</p> <p><b>Storage</b> Intel® P4500, P4600, P4800X series Samsung PM1725a, PM1725b, PM1733 series</p> <p><b>Network Adapter</b> Mellanox ConnectX®-4, ConnectX®-5, ConnectX®-6</p>	<p><b>Accelerator</b> Nvidia A100, Nvidia Tesla® V100, Xilinx® Nvidia Quadro® RTX 8000/6000 Passive</p> <p><b>Storage</b> Intel® P4500, P4600, P4800X series Samsung PM1725a, PM1725b, PM1733 series</p> <p><b>Network Adapter</b> Mellanox ConnectX®-4, ConnectX®-5, ConnectX®-6</p>	<p><b>Accelerator</b> NVIDIA RTX GeForce3090 (TDP350w) RTX GeForce3080Ti (TDP350w) RTX A6000 (TDP300w) A40 (TDP 300w)</p> <p>AMD Radeon Instinct MI 60 (TDP 300w) MI 50 (TDP 300w) MI 25 (TDP 300w)</p>	<p><b>Accelerator</b> NVIDIA RTX GeForce3090 (TDP350w) RTX GeForce3080Ti (TDP350w) RTX A6000 (TDP300w) A40 (TDP 300w)</p> <p>AMD Radeon Instinct MI 60 (TDP 300w) MI 50 (TDP 300w) MI 25 (TDP 300w)</p>	<p><b>Accelerator</b> Nvidia A100, Nvidia Tesla® V100, A10, Nvidia Quadro® RTX 8000/6000 Passive, RTX A4000 Xilinx® Alveo™ U50</p> <p><b>Storage</b> Intel® P4500, P4600, P4800X series Samsung PM1725a, PM1725b, PM1733 series</p> <p><b>Network Adapter</b> Mellanox ConnectX®-4, ConnectX®-5, ConnectX®-6</p>	<p><b>Accelerator</b> Nvidia A100, Nvidia Tesla® V100, A10, Nvidia Quadro® RTX 8000/6000 Passive, RTX A4000 Xilinx® Alveo™ U50</p> <p><b>Storage</b> Intel® P4500, P4600, P4800X series Samsung PM1725a, PM1725b, PM1733 series</p> <p><b>Network Adapter</b> Mellanox ConnectX®-4, ConnectX®-5, ConnectX®-6</p>	
	Host Interface - Standard mode	<ul style="list-style-type: none"> <li>ⓄOne (1) PCIe 4.0 x16 (Four mini-SAS HD connectors)</li> <li>ⓄNeed a HBA (host bus adapter) card on a server host</li> <li>ⓄMini-SAS HD cable (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄTwo (2) PCIe 4.0 x16 (Four mini-SAS HD connectors)</li> <li>ⓄNeed HBA (host bus adapter) cards on server hosts</li> <li>ⓄMini-SAS HD cables (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄOne (1) PCIe 4.0 x16 (Four mini-SAS HD connectors)</li> <li>ⓄNeed a HBA (host bus adapter) card on a server host</li> <li>ⓄMini-SAS HD cable (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄTwo (2) PCIe 4.0 x16 (Four mini-SAS HD connectors)</li> <li>ⓄNeed HBA (host bus adapter) cards on server hosts</li> <li>ⓄMini-SAS HD cables (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄOne (1) PCIe 4.0 x16 (Four mini-SAS HD connectors)</li> <li>ⓄNeed a HBA (host bus adapter) card on a server host</li> <li>ⓄMini-SAS HD cable (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄTwo (2) PCIe 4.0 x16 (Four mini-SAS HD connectors)</li> <li>ⓄNeed HBA (host bus adapter) cards on server hosts</li> <li>ⓄMini-SAS HD cables (SFF-8644)</li> </ul>
	Host Interface - Advanced mode	<ul style="list-style-type: none"> <li>ⓄUp to Eight (8) PCIe 4.0 x4 ports for host connections, and the ports are configurable to x8 or x16</li> <li>ⓄNeed a host bridge card (HBC) on one PCIe 4.0 x16 slot for four more mini-SAS connectors</li> </ul>	<ul style="list-style-type: none"> <li>ⓄUp to Sixteen (16) PCIe 4.0 x4 ports for host connections, and the ports are configurable to x8 or x16</li> <li>ⓄNeed a host bridge card (HBC) on one low-profile slot</li> </ul>	<ul style="list-style-type: none"> <li>ⓄUp to eight (8) PCIe 4.0 x4 ports for host connections, and the ports are configurable to x8 or x16</li> <li>ⓄNeed a host bridge card (HBC).</li> <li>ⓄNeed HBA (host bus adapter) cards on server hosts</li> <li>ⓄMini-SAS HD cables (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄUp to Sixteen (16) PCIe 4.0 x4 ports for host connections, and the ports are configurable to x8 or x16</li> <li>ⓄNeed a host bridge card (HBC) on one low-profile slot</li> <li>ⓄNeed HBA (host bus adapter) cards on server hosts</li> <li>ⓄMini-SAS HD cables (SFF-8644)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄUp to Eight (8) PCIe 4.0 x4 ports for host connections, and the ports are configurable to x8 or x16</li> <li>ⓄNeed a host bridge card (HBC) on one PCIe 4.0 x16 slot for four more mini-SAS connectors</li> </ul>	<ul style="list-style-type: none"> <li>ⓄUp to Sixteen (16) PCIe 4.0 x4 ports for host connections, and the ports are configurable to x8 or x16</li> <li>ⓄNeed a host bridge card (HBC) on one low-profile slot</li> </ul>
	LCM/LEDsButton	<p><b>LCM</b> Ⓞ16 x 2 dot matrix LCD ⓄDisplay status and key information</p>		<p><b>LCM</b> Ⓞ16 x 2 dot matrix LCD ⓄDisplay status and key information</p>		<p><b>LCM</b> Ⓞ16 x 2 dot matrix LCD ⓄDisplay status and key information</p>	
Power	<ul style="list-style-type: none"> <li>ⓄOne (1) 1600W PSU</li> <li>ⓄHot-swap</li> <li>Ⓞ1+1 redundant (optional)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄTwo(2) 1600W PSU</li> <li>ⓄHot Swap</li> <li>Ⓞ2+2 redundant (optional)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄOne(1) 1600W PSU</li> <li>ⓄHot Swap</li> <li>Ⓞ2100W PSU (Optional)</li> <li>Ⓞ1+1 redundant PSU (Optional)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄTwo(2) 1600W PSU</li> <li>ⓄHot Swap</li> <li>Ⓞ2100W PSU (Optional)</li> <li>Ⓞ2+2 redundant (optional)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄOne (1) 1200W PSU</li> <li>ⓄHot-swap</li> <li>Ⓞ1+1 redundant (optional)</li> </ul>	<ul style="list-style-type: none"> <li>ⓄTwo(2) 1200W PSU</li> <li>ⓄHot Swap</li> <li>Ⓞ2+2 redundant (optional)</li> </ul>	
Fan	<ul style="list-style-type: none"> <li>ⓄFour (4) 120mm x 38mm fans mounted to the front bezel of the chassis</li> <li>ⓄHot-swap</li> </ul>	<ul style="list-style-type: none"> <li>ⓄSix (6) 120mm x 38mm fans mounted to the front bezel of the chassis</li> <li>ⓄHot-swap</li> </ul>	<ul style="list-style-type: none"> <li>ⓄFour (4) 120mm x 38mm fans mounted to the front bezel of the chassis</li> <li>ⓄHot-swap</li> </ul>	<ul style="list-style-type: none"> <li>ⓄSix (6) 120mm x 38mm fans mounted to the front bezel of the chassis</li> <li>ⓄHot-swap</li> </ul>	<ul style="list-style-type: none"> <li>ⓄFour (4) 120mm x 38mm fans mounted to the front bezel of the chassis</li> <li>ⓄHot-swap</li> </ul>	<ul style="list-style-type: none"> <li>ⓄSix (6) 120mm x 38mm fans mounted to the front bezel of the chassis</li> <li>ⓄHot-swap</li> </ul>	

LAN	One (1) RJ45 Gigabit Ethernet LAN port		One (1) RJ45 Gigabit Ethernet LAN port		One (1) RJ45 Gigabit Ethernet LAN port	
	<p>©Operating Temperature: 0°C ~ 35°C (50°F ~ 95°F)</p> <p>©Non-operating Temperature: -20°C to 60°C (-4°F to 158°F)</p> <p>©Operating Relative Humidity: 20% to 80% (non-condensing)</p> <p>©Non-operating Relative Humidity: 0% to 95% (non-condensing)</p>		<p>©Operating Temperature: 0°C ~ 35°C (50°F ~ 95°F)</p> <p>©Non-operating Temperature: -20°C to 70°C (-4°F to 158°F)</p> <p>©Operating Relative Humidity: 10% to 90% (non-condensing)</p> <p>©Non-operating Relative Humidity: 0% to 95% (non-condensing)</p>		<p>©Operating Temperature: 0°C ~ 35°C (50°F ~ 95°F)</p> <p>©Non-operating Temperature: -20°C to 60°C (-4°F to 158°F)</p> <p>©Operating Relative Humidity: 20% to 80% (non-condensing)</p> <p>©Non-operating Relative Humidity: 0% to 95% (non-condensing)</p>	
	<p>tower ;</p> <p>174(H) X 320(W) X 466 (D)mm</p>	<p>5U;</p> <p>219(H) X 435(W) X 450 (D)mm</p>	<p>tower ;</p> <p>174(H) X 320(W) X 466 (D)mm</p>	<p>5U;</p> <p>219(H) X 435(W) X 466.3 (D)mm</p>	<p>tower ;</p> <p>174(H) X 320(W) X 466 (D)mm</p>	<p>5U;</p> <p>219(H) X 435(W) X 450 (D)mm</p>
	<p>Agency Certifications (testing pending):</p> <p>AS/NZS CISPR32, class A</p> <p>EN 55032, class A</p> <p>EN 55024</p> <p>EN 61000-3-2</p> <p>EN 61000-3-3</p> <p>FCC Part15B, class A</p> <p>RoHS Directive 2011/65/EU</p>		<p>Agency Certifications (testing pending):</p> <p>AS/NZS CISPR32, class A</p> <p>EN 55032, class A</p> <p>EN 55024</p> <p>EN 61000-3-2</p> <p>EN 61000-3-3</p> <p>FCC Part15B, class A</p> <p>RoHS Directive 2011/65/EUA13:E22D14B15:E22A5:E22D14B15:E22A1:E22D14B15:E22</p>		<p>Agency Certifications (testing pending):</p> <p>AS/NZS CISPR32, class A</p> <p>EN 55032, class A</p> <p>EN 55024</p> <p>EN 61000-3-2</p> <p>EN 61000-3-3</p> <p>FCC Part15B, class A</p> <p>RoHS Directive 2011/65/EU</p>	
Environmental Spec.						
Dimensions (mm)						
Agency Compliance						

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