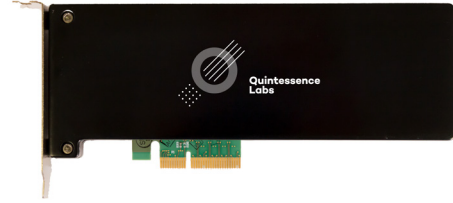




## SPECIFICATIONS

# qStream™ 100P

PCIe card Quantum Random number generator



<b>Configuration</b>	<p><b>PCIe Card Module</b></p> <ul style="list-style-type: none"> <li>• Half-height/half-length form factor</li> <li>• Width: 6.43 cm (2.53")</li> <li>• Length: 16.94 cm (6.67")</li> <li>• Height (Thickness): 1.35 cm (0.53")</li> <li>• Weight: 297.7 g (0.66 lbs.)</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>• 8 Gbit/s quantum entropy source</li> <li>• Outputs: <ul style="list-style-type: none"> <li>1 Gbit/s conditioned entropy (QRNG)</li> <li>1 Gbit/s unconditioned entropy</li> </ul> </li> </ul>
<b>Operations</b>	<ul style="list-style-type: none"> <li>• Raw and conditioned entropy; TRNG output (via DMA transfer)</li> </ul>
<b>Standards &amp; Interoperability</b>	<ul style="list-style-type: none"> <li>• Meets all requirements of NIST SP 800-90A, 90B and 90C (draft) standards for Non-Deterministic Random Bit Generators</li> <li>• Satisfies NIST SP 800-22 (NIST STS) and Dieharder tests</li> </ul>