



License Request to Display OpenPOWER Ready Mark



MemBlaze hereby requests a license to display the OpenPOWER Ready mark for its PBlaze4 series PCIe SSD. This document provides evidence that the criteria required by the OpenPOWER Foundation has been met.

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Submission Date:	2016/4/15
Product/Component Designator:	PBlaze 4 series
Short Product/Component Description:	The PBlaze4 Series is Memblazes' next generation enterprise SSD designed to deliver consistent level of performance and reliability for the most demanding data center applications, including database, CDN, Tier1 Caching, Virtualization and Cloud Computing.
Product/Component Information URL :	http://www.memblaze.com/Content/2015/07-23/1612424487.html
Tag String:	PCIe SSD, PBlaze 4
OpenPOWER Ready Criteria Document version:	1.0
Product/Component Category (System, I/O, CAPI, OS, app)	SSD I/O Adapter

Ready Checklist: Describe how the product satisfies the criteria.

Item	Description
1. PBlaze4 support PCI-E 3.0	Combined with PCIe Gen3, the PBlaze4 series increases IOPS and removes the I/O storage bottleneck that plagues the modern-day data centers, P4 series have PCISIG Certification also.
2. PBlaze 4 support NVMe 1.X	PBlaze4 supports the industry-standard NVMe 1.1b (Non-Volatile Memory express) interface and have passed NVMe Certification. In-box NVMe driver supported via Windows, Linux, and VMWare systems. NVMe 1.2 certificated by University of New Hampshire Interoperability Lab (UNH-IOL)
3. PBlaze 4 SFF-8639 Supported, Front-end maintenance support	The PBlaze4 2.5" form factor adheres to SFF-8639 provisions for hot plug, hot removal and hot swap. PBlaze4 Serials will guarantee the integrity of data both already committed to non-volatile NAND media and cached writes commit to media during hot plug operation.
4. PBlaze 4 passed safety Certification	PBlaze4 passed CE, FCC, RoHS, WEEE Certification.
5. PBlaze 4 passed many test scenario on power system	PBlaze 4 have performance, functionality & compatibility tested by Redpower C210 platform & Neu Cloud Oriental NL server with Ubuntu 15.04&14.04, SUSE 12, RHEL7.2,

	Redflag1.0 and got very perfect achievement.
6. PBlaze 4 High and Consistent Performance	PBlaze4 750 series comes in a range of capacities, from 800GB to 3.2TB in both 2.5" and Add-in Card (AIC) form factors. To achieve high and consistent performance, MemSpeed® technology set is optimized and utilized on PBlaze4, by delivering superior QoS to handle the most demanding workload spikes of today's and tomorrow's data centers
7. PBlaze 4 Proven Data Reliability	To ensure Enterprise class data integrity, PBlaze4 incorporates a variety of innovative reliability features which summarized as MemSolid® technology set. Flash memory reliability is ensured through a combination of improved architecture and exceptionally strong ECC, Read Retry and RAIN technology.
8. Company Introduction	Founded in 2011 and based in Beijing, Memblaze is a technological company with innovative genes. It focuses on providing outstanding enterprise-level solid-state drives and solutions in fields such as IT, Internet, Communication and Cloud Computing. As of 2015, Memblaze have been serving more than 200 enterprise and data center customers. We're core flash memory supplier for Baidu, Tencent, Qihu 360 and Youku and other top 50 Internet companies.

Criteria: [OpenPOWER Ready Criteria Document](#)

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