

SANBlaze Riser Options & Test Cases

SANBlaze systems are available with single or dual port risers either manufactured by SANBlaze or Quarch. The Quarch risers have all of the capabilities of the SANBlaze risers, with the addition of signal glitching capability. Below is a table of typical test cases and the availability of risers for each use case.

TEST CASE <i>* See Chapter 5 of the CLI User's Guide to execute these test cases.</i>	SANBlaze SBExpress-DT Risers		SANBlaze SBExpress-RM / RMI Risers		SANBlaze SBExpress-RM4 (Gen 4) Risers	
	DT_SB Single OR Dual	DT_Quarch Single OR Dual	RM_SB Single OR Dual	RM_Quarch Single OR Dual	RM4_SBU2 Dual/Single U.2	RM4_SBU3 Dual/Single U.3
Graceful Power Down/Up	Yes	Yes	Yes	Yes	Yes	Yes
Surprise Power Down/Up	Yes	Yes	Yes	Yes	Yes	Yes
Measure Voltage and Power	Yes	Yes	Yes	Yes	Yes	Yes
Margin Voltage and Power	Yes	Yes	Yes	Yes	Yes	Yes
Single and Dual by Software Control	No	No	No	No	Yes	Yes
Hot Plug Button	Yes	Yes	Yes	Yes	Yes	Yes
Performance	Yes	Yes	Yes	Yes	Yes	Yes
IOL/UNH	Yes	Yes	Yes	Yes	Yes	Yes
PERST (control)	Yes	Yes	Yes	Yes	Yes	Yes
CLKREQ / Wake	Yes	Yes	Yes	Yes	Yes	Yes
Signal Glitch	*1	Yes	*1	Yes	*1	*1
Inband Resets	Yes	Yes	Yes	Yes	Yes	Yes
TLP Error Count	Yes	Yes	Yes	Yes	Yes	Yes
DLLP Error Count	Yes	Yes	Yes	Yes	Yes	Yes
MI (sb_i2C)	Yes	Yes	Yes	Yes	Yes	Yes
Force Link Speed	Yes	Yes	Yes	Yes	Yes	Yes
Force Re-Train	Yes	Yes	Yes	Yes	Yes	Yes
Quarch Pull/Plug <i>Simulate physical removal of drive from PCI bus in software</i>	No	Yes	No	Yes	No	No

*1 – PERST/Clock/Power – 50ms Glitch or greater, or ON/OFF by Software

Note: Quarch risers for SBExpress-RM4 will be available **Q1FY20**

Note: SANBlaze **U.2/M.2** adapter measures voltage/power at 3.3v to the drive through the software.

Note: SBExpress-RMI (Industrial Power) is rated to 75C and 95% Humidity (Non-Condensing)

Note: SBExpress-RM and SBExpress-RMI use the same risers