

# P80000 - PCIe/NVMe Test Chamber

80 PORT PCIe DEVICE

PCIe Gen 3 SUPPORT

2.5" SFF8639, PCIe EDGE CARD, M.2 CONFIGURABLE

WEB BASED GUI CONTROL SW, REMOTE ACCESS

NVMe COMMANDS AND POWER CONTROL



Arden Storage

2040 Ringwood Ave. San Jose, CA 95131

Phone. 408-526-0100

Email. [info@ardentstorage.com](mailto:info@ardentstorage.com)

[www.ardentstorage.com](http://www.ardentstorage.com)

# ASI-P80000-00A

## [PCIe/NVMe Burn-In tester]



### Key Features:

- P80000: 80 port, P40000: 40 port (optional dual port available)
- PCIe-Gen3 4 lanes per port (gen3 2 lanes for dual port tester)
- Support Gen1, Gen2, Gen3 auto select or manual select
- Exchangeable loader adapter technology
  - [default] 2.5" SFF8639 (HDD/SSD form factor) adapter
  - [optional] PCIe-edge card adapter
  - [optional] M.2 card adapter
- PMU (Power Management Unit) – programmable via USB or Ethernet
  - Drive insertion detection circuitry
  - Power on/off control, LED control
- WEB based GUI control SW
- Customized UART connectivity
- Temperature control up to 70C



Note: image above may show a varied configuration or optional parts.

### Specifications

Product SKUs	
<b>P80000 - PCIe</b>	80 port SFF8639 system with PCIe-NVMe support

Form Factor	
<ul style="list-style-type: none"><li>• Rack mount system (default: 2.5" SSD/HDD form factor loader)</li><li>Front exchange loaders available for PCIe-edge card, M.2, and other interconnect form factors</li></ul>	

Dimensions	P80000
Width	• 24.5" (600mm)
Height	• 76.5" (1945mm)
Depth	• 39.5" (1000mm)
Packaging	• 33.50" (W) x 81.50" (H) x 49" (D)
Gross Weight	• 726 lbs (330kg)
Color	• Grey/Silver

Drive Bays (test slots)	
<ul style="list-style-type: none"><li>• Default SFF8639 with customized UART port.</li><li>• Optional expansion loader cards available for PCIe-edge card and M.2.</li><li>• Other customizable loader can be supplied based on request (optional)</li></ul>	

Backplane (port)	
SFF8639 with customized UART connectivity. Optional interconnect adapters available	
<ul style="list-style-type: none"><li>• <b>Default:</b> SFF8639 backplane with 2.5" SSD/HDD form factor. Base system allows for inter changeable loaders (can mix and match)</li><li>• <b>Optional:</b> PCIe-edge card form factor front loading adapter available</li><li>• <b>Optional:</b> M.2 card form factor front loading adapter available</li><li>• <b>Optional:</b> other customized form factor front loading adapter can be supplied</li></ul>	

System Cooling (air flow control) – rack mount system	
Fans	<ul style="list-style-type: none"><li>• 80x PWM front blowing fans</li><li>• Side air extraction for air circulation</li></ul>

Power (System):	
Voltage	• AC 220
Max Power	• NA

Power (ports) – supply volt: 12v, 5v, 3.3v	
12V	• 2.5A max (Avg over 1 second duration). 4.5A max peak @450mS
3.3V	• 100mA

Tester / Host communication	
Ethernet (max speed 100Mbps)	

Front Panel	
Buttons	• System Power On/Off button
LEDs	4 LED display indicator per port <ul style="list-style-type: none"><li>• Device/drive insertion detection LED</li><li>• Power on/off LED</li><li>• Programmable 2 LED</li></ul>

