P40000 - PCIe/NVMe Test Chamber

40 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

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ASI-P40000-00A

[PCIe/NVMe Burn-In tester]

Key Features:

- 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	
P40000 - PCIe	40 port SFF8639 system with PCIe-NVMe support

Form Factor
• Rack mount system (default: 2.5" SSD/HDD form factor loader) Front exchange loaders available for PCIe-edge card, M.2, and other interconnect form factors

Dimensions	P80000
Width	• 44.48" (1130mm)
Height	• 44.48" (1130mm)
Depth	• 45.27" (1150mm)
Gross Weight	• 396 lbs (180kg)
Color	• Grey

Drive Bays (test slots)
• Default SFF8639 with customized UART port.
• Optional expansion loader cards available for PCIe-edge card and M.2.
• Other customizable loader can be supplied based on request (optional)

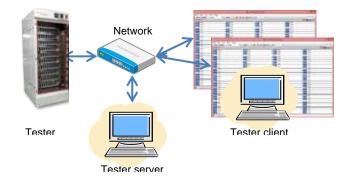| Backplane (port) |
|---|
| SFF8639 with customized UART connectivity. Optional interconnect adapters available |
| • **Default**: SFF8639 backplane with 2.5" SSD/HDD form factor. Base system allows for inter changeable loaders (can mix and match) |
| • **Optional**: PCIe-edge card form factor front loading adapter available |
| • **Optional**: M.2 card form factor front loading adapter available |
| • **Optional**: other customized form factor front loading adapter can be supplied |

System Cooling (air flow control) – rack mount system	
Fans	• 80x PWM front blowing fans
	• Side air extraction for air circulation

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
	• Device/drive insertion detection LED
	• Power on/off LED
	• Programmable 2 LED

Network

Tester

Tester server

Tester client