P12000-PCIeSFF8639-Single/Dual Port (NVMe)

[Single or Dual Port PCIe-SFF8639 Pass-Thru Tester]

Key Features:

- P12000: 12 port single port support with SFF8639 loader kit
- P12000-D: 12 dual port support with SFF8639 loader kit
- PCIe-Gen3 4 lane per port
- Support Gen1, Gen2, Gen3 auto select or manual select
- Exchangeable loader adapter technology
- Loader Configurations available
  - [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
- Basic PMU and NVMe test tool available upon request

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

Specifications

Product SKUs	
P12000-SFF8639	12 bay SFF8639 system with PCIe-NVMe support
P12000-SFF8639-D	12 bay SFF8639 system with PCIe-NVMe dual port support

Form Factor	
21.9" Depth Desktop Chassis – 19" 3U form factor	

Motherboard
M/B: LGA 1150 with Z97 chipset
CPU: i5-4430 (4 core 3.1Ghz), RAM: DDR3 8G

Dimensions	P12000
Width	• 451mm
Height	• 166mm
Depth	• 356mm
Gross weight	• ~25kg
Color	• Grey/Silver

Drive Bays	
Port Bay	• 12x Hot-swap PCIe Pass-Thru Bay with optional adapters for PCIe-edge card or M.2
	• Default configuration: 2.5" SFF8639 SSD/HDD

Backplane
SFF8639 (PCIe Pass-Thru) – can be further customized per vendor requirement (optional)

Peripheral Drives (boot drive)	
SSD	• Slim SSD

Form Factor	
Fans	• 6x 40x40x20mm PWM fans
	• Motor: 4 poles brushless DC motor
	• Frame & Impeller: Plastic (UL 94V-0)

Power Management Unit (PMU)	
4 port power control unit: individual port power on/off and LED control. Circuitry for auto drive insertion detection for writing automated control SW	
Input	15v to 24v
3.3v (out)	4 Amp (per port)
5v (out)	4 Amp (per port)
12v (out)	4 Amp (per port)

SNMP
Single Output with PFC Function (P12000: 650W)

- Universal AC input / full range
- Built-in active PFC function, PF > 0.93
- Protections: short circuit / overload / over voltage / over temperature
- Built-in cooling fan speed control
- Built-in constant current limiting circuit
- Built-in fan speed control
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at PFC:67KHz PWM:134KHz

Operating temperature
Max: 70C

Form Factor	
Buttons	• System Power On/Off button
LEDs	• Power status LED (on power on/off switch)
	• Programmable LEDs (per port)
	o DUT Power On/Off LEDs
	o DUT Active LED (programmable)