

## > PX02SMxxxx

2.5-INCH 12 Gb/s SAS Enterprise SSD

### > KEY ADVANTAGES

- Up to 1.6 TB Storage Capacity
- Dual-Port 12 Gb/s SAS Interface
- Best-in-class 24nm eMLC NAND Flash
- Up to 900 MiB/s read and 400 MiB/s write
- Quadruple Swing-By Code (QSBC)
- Layered ECC Approach for Improved Error Correction
- Power Loss Protection
- Optional with Enhanced Secure Crypto-Erase Function

### > APPLICATIONS

- Tier 0 & Tier 1 performance-hungry enterprise applications

### > SPECIFICATIONS



**SSD**

Standard	PX02SMF020	PX02SMF040	PX02SMF080	PX02SMB160
User Capacity	200 GB	400 GB	800 GB	1,600 GB
Drive Interface	Serial Attached SCSI			
NAND Technology	24 nm eMLC			
Transfer Rate to Host	6 Gb/s, 12 Gb/s Dual Port			

Performance:	
Sequential Read	900 MiB/s
Sequential Write	400 MiB/s
4KB Random Read	120,000 IOPS
4KB Random Write	25,000 IOPS
Product Life	5 years
Availability (hrs/day x days/w k)	24 x 7

Power Requirements:	
Voltage	5 V (±5%), 12 V (±5%)
Power Consumption (Active)	< 9.0 W, (12 V / 5 V)

Physical Size:	
Dimensions (W) x (D) x (H)	69.85 x 100.0 x 7 mm
Weight	70 g

Environmental:	
Temp - Operating	0 to 55 °C
Temp - Non-operating	-40° to 70 °C
Vibration - Operating	9.8 m/s <sup>2</sup>
Vibration - Non-operating	49 m/s <sup>2</sup>
Shock - Operating	1,000G
Shock - Non-operating	1,000G

Limited Warranty	5 years (from date of purchase)
MTBF	2,000,000 hours

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