ComX Computers
Product Specification Sheet

SSDPEDMW012T401

Intel 750 series 1.2Tb PCI-e 3.0 (4x) 20nm MLC Solid-State Drive

Product Overview

Intel 750 Series 1.2TB 1/2 Height PCIe NVMe 3.0 Solid State Drive - MTBF 1,2M hours, Seq Read 2400MB/s, Random Read 440000 IOPS, Seq Write 1200 MB/s, End-to-End Data Protection, 70GB per day



Specifications

Overview:

Experience the future of storage performance for desktop client and workstation users with the Intel SSD 750 Series. The Intel SSD 750 Series delivers uncompromised performance by utilizing NVM Express over four lanes of PCIe 3.0. With both Add-in Card and 2.5-inch form factors, the Intel SSD 750 Series eases migration from SATA to PCIe 3.0 without power or thermal limitations on performance. The SSD can now deliver the ultimate in performance in a variety of system form factors and configurations.

Specifications:

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Specifications	
Product Code	SSDPEDMW012T401
Capacity	1.2TB
PCIe	Gen3 x4
Form Factor	2.5-inch Form Factor
	15mm Z-height
	8639-compatible connector
	Add-in Card (AIC) Form Factor
	Half-height, Half-length
	Single slot x4 connector

Performance	Seq R/W: Up to 2400/1200 MB/s3
	4K Random Read: Up to 440K
	4K Random Write: Up to 290K
Latency (average sequential)	Read: 20 us (TYP)
	Write: 20 us (TYP)
Components	Intel 20nm MLC NAND Flash Memory
Operating System Support	Windows 7* 64 bit
	Windows 8* 64 bit
	Windows 8.1* 64 bit
	UEFI* 2.3.1 or later
Reliability	Uncorrectable Bit Error Rate (UBER): 1 sector per 1016 bits read
	Mean Time Before Failure (MTBF): 1.2 million hours
Power	2.5-inch: 3.3V and 12V Supply Rail
	AIC: 3.3V and 12V Supply Rail
	Enhanced power-loss data protection
	Active/Idle (TYP): 25W/4W (TYP)
Compliance	NVM Express* 1.0
	PCI Express* Base Specification Rev 3.0
	SFF 8639 Enterprise SSD Form Factor Version 1.0a
	PCI Express Card Electro-Mechanical* (CEM) Specification Rev 2.0
Certifications and Declarations	UL*, CE*, C-Tick*, BSMI*, KCC*, Microsoft WHQL*, VCCI
Endurance Rating	70 GB Writes Per Day
	Up to 219 TBW (Terabytes Written)
Temperature Specification	Operating:
	AIC: 0 to 55 degrees C
	2.5-inch: 0 to 70 degrees C
	Non-Operating6: -55 to 95 degrees C
	Temperature monitoring
Weight	AIC: up to 195 gm
	2.5-inch: up to 125 gm
Shock	2.5-inch: 1,000 G/0.5msec
	AIC: 50 G Trapezoidal, 170 in/s
Vibration	Operating: 2.17 GRMS (5-700Hz)
	Non-Operating: 3.13 GRMS (5-800Hz)
Altitude (Simulated)	Operating: -1,000 to 10,000 ft
	Non-Operating: -1,000 to 40,000 ft
Product Ecological Compliance	RoHS

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/SSDPEDMW012T401-Intel-750-series-1-2Tb-PCI-e-3-0-4x-20nm-MLC-Solid-State-Drive-p-123255.php

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