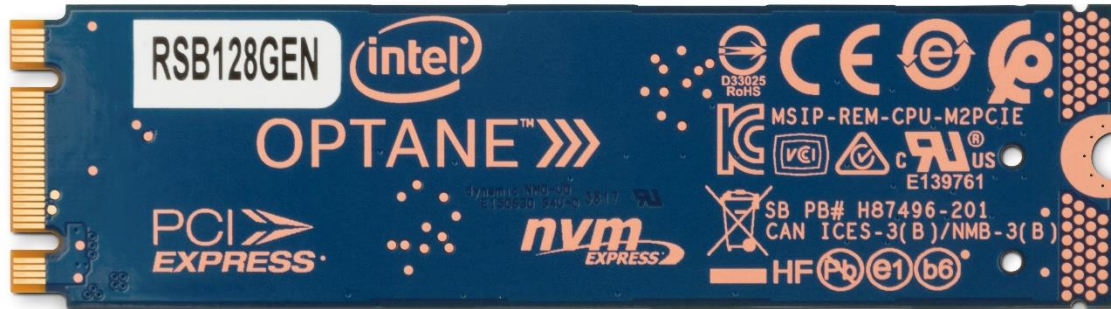


Overview

Intel® Optane™ 118GB M.2 SSD



Part Number

4RV34AA

Introduction

Extract maximum performance from your HP Business Desktop PC and empower professional users, content creators, digital artists, software developers, and industrial designers to do more with the long-life Intel® Optane™ 118GB M.2 Solid State Drive.

Technical specifications

Unformatted Capacity* 118GB

Architecture Intel® Optane™ **Interface type** PCIe Gen3x2

Dimensions-external

(W x H x D)

2.2 x 8 x 0.2 cm

Weight 10g

Bandwidth Performance Sustained Sequential

Read

Up to 1200 MB/s

Sustained Sequential

Write

Up to 600 MB/s

Bandwidth Performance Random Read (4KB) up to 250K IOPs

Random Write (4KB) up to 140K IOPs

Latency Read 6.75µs (TYP)

Write 18µs (TYP)

Power DC power requirement 3.3 V

Total power consumption 3750 mW (Active) ; 500 mW; (Idle) ;8mW(Deep Sleep with L1.2)

Useful drive life MTBF 1.6 million device hours**

Environmental

(all conditions, noncondensing)

Temperature (operating) 0° to 85° C

Relative Humidity

(operating)

5% to 95%

Shock (operating) 1,500 G/0.5 msec

* For solid state disk drives, GB means 1 billion bytes. 128GB is the unformatted capacity of this drive before a portion of the drive is reserved for flash management features. Actual capacity will vary by content

** The product achieves a mean time between failure (MTBF) based on population statistics not relevant to individual units.

Technical specifications

Product Dimensions (H x W x D)

0.8 x 3.1 x 0.09 in (2.2 x 8 x 0.2 cm)

Weight

0.02 lb (10 g)

Operating Temperature

32 to 185°F (0 to 85°C)

Technical Notes

M.2 Form Factor: 2280-S3-B-M; Performance Seq R/W: Up to 1200/600 MB/s QD4; Memory Technology: Intel® 3D Xpoint™; Power: 3.3 V Supply Rail; Compliance: NVM Express 1.1, PCI Express Base Specification Rev 3.0, PCI M.2 HW Spec; Certifications and Declarations: UL, CE, C-Tick, BSMIM, KCC, Microsoft WHQL, Microsoft WHCK, VCCI; Ecological Compliance: RoHS; Features Supported: ATA password, Device Initiated Thermal Throttling (DITT)

What Is In The Box

Intel® Optane™ 118GB M.2 Solid State Drive

Technical specifications

Compatibility

HP EliteDesk 1000 G2 AIO, HP EliteDesk 800 G4 TWR, HP EliteDesk 800 G4 SFF, HP EliteDesk 800 G4 DM, HP EliteDesk 800 G4 AIO, HP EliteDesk 705 G4 MT, HP EliteDesk 705 G4 SFF, HP ProDesk 600 G4 MT, HP ProDesk 600 G4 SFF, HP ProDesk 600 G4 DM, HP ProDesk 600 G4 AIO, HP ProDesk 400 G5 MT, HP ProDesk 400 G5 SFF, HP ProDesk 400 G4 AIO, HP ProDesk 400 G4 DM

NOTE: Intel® Optane™ does not replace or increase the DRAM in your system. Available for HP commercial desktops and notebooks and for select HP workstations (HP Z240 Tower/SFF, Z2 Mini, ZBook Studio, 15 and 17 G5) and requires a SATA HDD, 7th Gen or higher Intel® Core™ processor or Intel® Xeon® processor E3-1200 V6 product family or higher, BIOS version with Intel® Optane™ supported, Windows 10 version 1703 or higher, M.2 type 2280-S1-B-M connector on a PCH Remapped PCIe Controller and Lanes in a x2 or x4 configuration with B-M keys that meet NVMe™ Spec 1.1, and an Intel® Rapid Storage Technology (Intel® RST) 15.5 driver.

Change log

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Date of change:	Version History:		Description of change:
July 27, 2018	From v1 to v2	Launch	