

TC2310 / TC2311

PCIe® Gen5 NVMe™ SSD Controller

Data Center
High-Performance Client
OEM Server Storage

Overview

The TC2310/TC2311 are industry leading PCIe Gen5 NVMe SSD controllers delivering outstanding performances greater than 14GB/s and 2.5M IOPS.

TC2310

The TC2310 is designed for data center workloads demanding excellent IOPS/watt at the lowest latency. Utilizing FlexLDPC technology, an in-house developed advanced LDPC error correction engine, the TC2310 provides preeminent quality and endurance support for the latest TLC and QLC NAND Flash technologies. Together with TenaFe Insight, an innovative SSD development platform, customization becomes simplified.

TC2311

The TC2311 is optimized for high-performance client applications in workstations and/or gaming platforms. It provides sophisticated endurance solutions for the best user experience for corporate professionals and avid gaming enthusiasts.



SSD Form Factors

- E1.S, E1.L, E3.S
- U.2, M.2

Applications

- Data Centers
- High-Performance Gaming
- OEM Servers/Storage
- Workstations

Specifications	TC2310 - Data Center	TC2311 - High Performance Client
Interface	PCIe® Gen5	PCIe® Gen5
Flash	8CH, up to 3600MT/s	8CH, up to 3600MT/s
DRAM	DDR4/DDR5	DDR4/DDR5
Performance	Sequential, 14GB/s Random, 2.5M IOPS	Sequential, 14GB/s Random, 1.5M IOPS
SSD Form Factor	E1.S, E1.L, U.2, E3.S	M.2, U.2
Features	End to End Data/SRAM SECDED protection 4KB LDPC ECC Plane-based/Die-base RAID	End to End Data/SRAM SECDED protection 4KB LDPC ECC Plane-based/Die-base RAID
Compliance	OCP Data Center Spec V2.0 UNH-IOL NVMe	UNH-IOL NVMe