Memory Multiplexer Family Overview

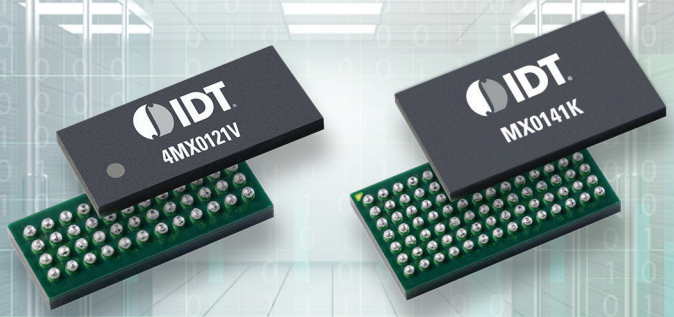
IDT memory multiplexers address the industry's growing need for memory expansion in SSD and NVDIMM applications.

The ONFI 4.1 1:4 high-performance multiplexers dramatically increase flash density while maximizing NV-DDR3 throughput for SSD NV controllers in a low pin count, low power package.

The 1:2 multiplexers route DRAM data to flash during a power outage condition in NVDIMM applications. The MUX pinout allows for placement very close to the edge connector, alleaviating board constraint problems while providing minimal disturbance to high-speed signals.

FEATURES AND BENEFITS

- Pinouts for easy integration into existing memory interface applications
- Small package sizes for high density applications
- Low power consumption for greater density within existing power envelopes
- High-speed switch architecture with high bandwidth, low insertion loss, return loss, and very low propagation delay



Memory Multiplexer

Part Number	1:N	Application	Power Supply (V)	Bits per Port	3dB Bandwidth	Package
MX0141K	1:4	SSD	2.5 or 3	16	3 GHz	4.0 x 11 mm FCCSP
4MX0121V	1:2	NVDIMM	2.5	12	2 GHz	3.0 x 8.0 mm VFBGA

To request samples, download documentation or learn more visit: **idt.com/memorymux**