



U17/U18 - Facts you should know

- · Up to 4TB capacity in a small 26mmx60mm PCBA footprint
- · Compatible with any device that has a USB Type-C connector (PCs, Mac, notebooks, tablets, smart phones, and gaming consoles)
- · Backwards compatible to USB 2.0, USB 3.0, USB 3.1 using a USB Type-A adapter
- · 15 times faster and more quiet compared to external HDDs
- · High sequential read and sequential write performance
- · DRAM-less
- · 56% more efficient compared to bridge-based USB external SSD.

PS2251-17 U17 USB 3.2 Gen 2x1

Best-in-class for entry-level external USB flash drive applications

3D-TLC	Sequential (MB/s)		Random (MB/s)		
	Read	Write	Read	Write	
250GB	1000	375	165	250	
500GB	1000	800	185	260	
1000GB	1000	800	185	260	
20.01.0	Sequential (MB/s)		Random (MB/s)		
3D-QLC	Read	Write	Read	Write	
250GB	1000	320	TBD	TBD	
500GB	1000	630	TBD	TBD	
1000GB	1000	800	TBD	TBD	
Features	Specifications				
USB	 USB 3.2 Gen 2x1 (10Gbps) Backwards compatible with USB 3.2 Gen1 (5Gbps) Backwards compatible with USB 2.0 (480Mbps) Backwards compatible with USB 1.1 (12Mbps) 				
NAND Flash	 Support up to 4TB Support Triple-level cell (TLC) and Quad-level cell (QLC) NAND flash memory Compliant with Toggle 1.0/2.0/3.0/4.0 NAND flash interface Compliant with ONFI 2.0/3.0/4.1 Transfer rate: up to 800 MT/s Support up to 2 channels/ 16 Chip Enable (CE) within Single Design Flash IO Operating voltage supply 1.2v/1.8v 				
Data Reliability	· 4 th Generation LDPC ECC protection				
OS Compatibility	 Support Windows XP and later version Support MAC OS 10.8 and later version Support Linux kernel 2.4.10 and later version 				
Temperature Range	 Operating Range: 0~70 °C Storage Range: -40~85 °C 				
Humidity	· 20%~90%				
Other Features	· Built-in internal Thermal Sensor				



PS2251-18 U18 USB 3.2 Gen 2x2

Best-in-class for high-performance USB flash drive applications

3D-TLC	Sequential (MB/s)		Random (MB/s)		
	Read	Write	Read	Write	
500GB	1850	1000	250	320	
1000GB	1850	1600	250	320	
2000GB	1850	1600	260	330	
4000GB	1900	1700	260	330	
Features	Specifications				
USB	 USB 3.2 Gen 2x1 (10Gbps) Backwards compatible with USB 3.2 Gen1 (5Gbps) Backwards compatible with USB 2.0 (480Mbps) Backwards compatible with USB 1.1 (12Mbps) 				
NAND Flash	 Support up to 4TB Support Triple-level cell (TLC) and Quad-level cell (QLC) NAND flash memory Compliant with Toggle 1.0/2.0/3.0/4.0 NAND flash interface Compliant with ONFI 2.0/3.0/4.1 Transfer rate: up to 1400 MT/s Support up to 2 channels/ 16 Chip Enable (CE) within Single Design Flash IO Operating voltage supply 1.2v/1.8v 				
Data Reliability	· 4 th Generation LDPC ECC protection				
OS Compatibility	 Support Windows XP and later version Support MAC OS 10.8 and later version Support Linux kernel 2.4.10 and later version 				
Temperature Range	 Operating Range: 0~70 °C Storage Range: -40~85 °C 				
Humidity	. 20%~90%				
Other Features	· Built-in internal Thermal Sensor				

Best in class low power consumption

U17 / U18	Power (mA)	
Read	500	
Write	550	
Idle	150	
Suspend	1.7	