

## microSD500 Series

**Extreme temperature  
resistant microSD card  
up to 105°C**



**SD 6.0**

Interface

**176-layer  
3D TLC**

NAND Flash

**-40°C to  
105°C**

Wide temperature

Up to  
**256 GB**

Capacity

Up to  
**90 MB/s**

Performance



Exceptional durability for harsh environments: withstanding up to 105°C, IP67-rated for dust and water resistance, X-ray safe.



Reliable wide-temp microSD cards with rigorous QC testing



Fixed BOM solutions



Engineered for demanding automotive and mission-critical applications



Featuring LDPC ECC, wear leveling, firmware PLP, read disturb protection, secure erase, pSLC technology (8GB and 16GB cards)



Smart Health Monitoring

Part Number	Capacity	Flash	Interface	Read/Write up to	Speed class	Operating Temp.
EX8GUSDV30-PTDE	8GB	3D TLC NAND (pSLC mode)	SD3.0/6.0 UHS-1	90/80 MB/s	U3, C10, V30, A2	-40°C to 105°C
EX16GUSDV30-PTDE	16GB	3D TLC NAND (pSLC mode)				
EX32GUSDV30-TDE	32GB	3D TLC NAND				
EX64GUSDV30-TDE	64GB	3D TLC NAND				
EX128GUSDV30-TDE	128GB	3D TLC NAND				
EX256GUSDV30-TDE	256GB	3D TLC NAND				