

SanDisk Connected Solutions

Automotive / Commercial / Industrial



iNAND Embedded Flash Drives

| Part Number | Capacity | Interface | Operating Temp | Seq. R/W (MB/s) | Ran. R/W (IOPS) | Package |
|-----------------------|----------|-----------|----------------|-----------------|-----------------|-------------|
| Industrial | | | | | | |
| SDINBDG4-8G-I1 | 8GB | 5.1 HS400 | -25°C to 85°C | 300/40 | 17K/8K | 11.5x13x0.8 |
| SDINBDG4-16G-I1 | 16GB | 5.1 HS400 | -25°C to 85°C | 300/80 | 25K/15K | 11.5x13x0.8 |
| SDINBDG4-32G-I1 | 32GB | 5.1 HS400 | -25°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.0 |
| SDINBDG4-64G-I1 | 64GB | 5.1 HS400 | -25°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.2 |
| Industrial XT | | | | | | |
| SDINBDG4-8G-XI1 | 8GB | 5.1 HS400 | -40°C to 85°C | 300/40 | 17K/8K | 11.5x13x0.8 |
| SDINBDG4-16G-XI1 | 16GB | 5.1 HS400 | -40°C to 85°C | 300/80 | 25K/15K | 11.5x13x0.8 |
| SDINBDG4-32G-XI1 | 32GB | 5.1 HS400 | -40°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.0 |
| SDINBDG4-64G-XI1 | 64GB | 5.1 HS400 | -40°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.2 |
| OEM/Commercial | | | | | | |
| SDINBDG4-8G | 8GB | 5.1 HS400 | -25°C to 85°C | 300/40 | 17K/8K | 11.5x13x0.8 |
| SDINADF4-16G-H | 16GB | 5.1 HS400 | -25°C to 85°C | 290/150 | 3100/1800 | 11.5x13x0.9 |
| SDINBDG4-16G | 16GB | 5.1 HS400 | -25°C to 85°C | 300/80 | 25K/15K | 11.5x13x0.8 |
| SDINADF4-32G | 32GB | 5.1 HS400 | -25°C to 85°C | 290/150 | 3100/1800 | 11.5x13x0.9 |
| SDINBDG4-32G | 32GB | 5.1 HS400 | -25°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.0 |
| SDINADF4-64G | 64GB | 5.1 HS400 | -25°C to 85°C | 290/150 | 3100/1800 | 11.5x13x1.0 |
| SDINBDG4-64G | 64GB | 5.1 HS400 | -25°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.2 |
| SDINADF4-128G-H | 128GB | 5.1 HS400 | -25°C to 85°C | 290/150 | 3100/1800 | 11.5x13x1.2 |
| Automotive | | | | | | |
| SDINBDG4-8G-XA | 8GB | 5.1 HS400 | -40°C to 85°C | 300/28 | 17K/7.8K | 11.5x13x0.8 |
| SDINBDG4-16G-XA | 16GB | 5.1 HS400 | -40°C to 85°C | 300/55 | 17K/7.8K | 11.5x13x0.8 |
| SDINBDG4-32G-XA | 32GB | 5.1 HS400 | -40°C to 85°C | 300/110 | 17K/7.8K | 11.5x13x1.0 |
| SDINBDG4-64G-XA | 64GB | 5.1 HS400 | -40°C to 85°C | 300/110 | 17K/7.8K | 11.5x13x1.2 |
| Automotive XT | | | | | | |
| SDINBDG4-8G-ZA | 8GB | 5.1 HS400 | -40°C to 105°C | 300/28 | 17K/7.8K | 11.5x13x0.8 |
| SDINBDG4-16G-ZA | 16GB | 5.1 HS400 | -40°C to 105°C | 300/55 | 17K/7.8K | 11.5x13x0.8 |
| SDINBDG4-32G-ZA | 32GB | 5.1 HS400 | -40°C to 105°C | 300/110 | 17K/7.8K | 11.5x13x1.0 |
| SDINBDG4-64G-ZA | 64GB | 5.1 HS400 | -40°C to 105°C | 300/110 | 17K/7.8K | 11.5x13x1.2 |
| Connected Home | | | | | | |
| SDINBDG4-8G-H | 8GB | 5.1 HS400 | -25°C to 85°C | 300/40 | 17K/8K | 11.5x13x0.8 |
| SDINBDG4-16G-H | 16GB | 5.1 HS400 | -25°C to 85°C | 300/80 | 25K/15K | 11.5x13x0.8 |
| SDINBDG4-32G-H | 32GB | 5.1 HS400 | -25°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.0 |
| SDINBDG4-64G-H | 64GB | 5.1 HS400 | -25°C to 85°C | 300/150 | 25K/15K | 11.5x13x1.0 |

USB Flash Drives



| Part Number | Capacity | Form Factor | Category | Operating Temp |
|---|----------|----------------|----------|----------------|
| Cruzer Fit USB Flash Drive | | | | |
| SDUFD33-008G | 8 | Low Profile | USB 2.0 | 0°C to 45°C |
| SDUFD33-016G | 16 | Low Profile | USB 2.0 | 0°C to 45°C |
| SDUFD33-032G | 32 | Low Profile | USB 2.0 | 0°C to 45°C |
| SDUFD33-064G | 64 | Low Profile | USB 2.0 | 0°C to 45°C |
| Cruzer Edge USB Flash Drive | | | | |
| SDUFD51-008G | 8 | Compact Design | USB 2.0 | 0°C to 45°C |
| SDUFD51-016G | 16 | Compact Design | USB 2.0 | 0°C to 45°C |
| SDUFD51-032G | 32 | Compact Design | USB 2.0 | 0°C to 45°C |
| SDUFD51-064G | 64 | Compact Design | USB 2.0 | 0°C to 45°C |
| SDUFD43-016G | 16 | Compact Design | USB 3.0 | 0°C to 45°C |
| Connected Home Time Shift Buffer | | | | |
| SDUFDEC-016G | 16 | Low Profile | USB 2.0 | 0°C to 55°C |

SD Cards



| SKU | Capacity | Class | Interface | Max Speed | Operating Temp | Seq. R/W (MB/s) | TBW |
|-----------------------|----------|-------|-----------|-----------|----------------|-----------------|-----|
| Automotive XT | | | | | | | |
| SDSDAG3-008G-XA | 8 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/15 | |
| SDSDAG3-016G-XA | 16 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/30 | |
| SDSDAG3-032G-XA | 32 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/50 | |
| SDSDAG3-064G-XA | 64 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/50 | |
| Industrial | | | | | | | |
| SDSDAF3-008G-I | 8 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/15 | 24 |
| SDSDAF3-016G-I | 16 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/30 | 48 |
| SDSDAF3-032G-I | 32 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/50 | 96 |
| SDSDAF3-064G-I | 64 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/50 | 192 |
| Industrial XT | | | | | | | |
| SDSDAF3-008G-XI | 8 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/15 | 24 |
| SDSDAF3-016G-XI | 16 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/30 | 48 |
| SDSDAF3-032G-XI | 32 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/50 | 96 |
| SDSDAF3-064G-XI | 64 | U1 | SD 3.0 | UHS-I 104 | -40°C to 85°C | 70/50 | 192 |
| OEM/Commercial | | | | | | | |
| SDSDAA-008G | 8 | 4 | | UHS-I 50 | -25°C to 85°C | | |
| SDSDAE-008G | 8 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 80/30 | |
| SDSDAA-016G | 16 | 4 | SD 3.0 | UHS-I 50 | -25°C to 85°C | | |
| SDSDAD-016G | 16 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 80/10 | |
| SDSDAE-016G | 16 | U3 | SD 4.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| SDSDAA-032G | 32 | 4 | | UHS-I 50 | -25°C to 85°C | | |
| SDSDAD-032G | 32 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 80/10 | |
| SDSDAE-032G | 32 | U3 | SD 4.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| SDSDAD-064G | 64 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 80/10 | |
| SDSDAE-064G | 64 | U3 | SD 4.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| SDSDAD-128G | 128 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| SDSDAE-128G | 128 | U3 | SD 4.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| Connected Home | | | | | | | |
| SDSDEC-004G | 4 | U3 | SD 5.0 | UHS-I 104 | -0°C to 85°C | 50/50 | 200 |
| SDSDEB-008G | 8 | U1 | SD 5.0 | UHS-I 104 | -0°C to 85°C | 50/10 | 80 |
| SDSDEB-016G | 16 | U1 | SD 5.0 | UHS-I 104 | -0°C to 85°C | 50/20 | 160 |
| SDSDEC-032G | 32 | 10 | SD 3.0 | UHS-I 50 | -0°C to 85°C | 30/30 | 450 |
| SDSDEB-032G | 32 | U3 | SD 4.0 | UHS-I 104 | -0°C to 85°C | 50/30 | 224 |
| SDSDEB-064G | 64 | U3 | SD 4.0 | UHS-I 104 | -0°C to 85°C | 50/30 | 448 |
| SDSDEB-128G | 128 | U3 | SD 4.0 | UHS-I 104 | -0°C to 85°C | 50/30 | 896 |

microSD Cards



| SKU | Capacity | Class | Interface | Max Speed | Operating Temp | Seq. R/W (MB/s) | TBW |
|-----------------------------|----------|-------|-----------|-----------|----------------|-----------------|-----|
| Industrial Wide Temp | | | | | | | |
| SDSDQAF-008G-I | 8 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/15 | 16 |
| SDSDQAF-016G-I | 16 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/50 | 32 |
| SDSDQAF2-032G-I | 32 | 10 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/50 | 96 |
| SDSDQAF2-064G-I | 64 | 10 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/50 | 192 |
| SDSDQAF3-128G-I | 128 | U3 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 70/50 | 384 |
| OEM/Commercial | | | | | | | |
| SDSDQAB-016G | 16 | 4 | SD 3.0 | UHS-I 50 | -25°C to 85°C | 20/5 | |
| SDSDQAD-016G | 16 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 40/10 | |
| SDSDQAB-032G | 32 | 4 | SD 3.0 | UHS-I 50 | -25°C to 85°C | 20/5 | |
| SDSDQAD-032G | 32 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 40/10 | |
| SDSDQAE-032G | 32 | V30 | SD 5.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| SDSDQAB-064G | 64 | 4 | SD 3.0 | UHS-I 50 | -25°C to 85°C | 20/5 | |
| SDSDQAD-064G | 64 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 40/10 | |
| SDSDQAE-064G | 64 | V30 | SD 5.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| SDSDQAD-128G | 128 | U1 | SD 3.0 | UHS-I 104 | -25°C to 85°C | 40/10 | |
| SDSDQAE-128G | 128 | V30 | SD 5.0 | UHS-I 104 | -25°C to 85°C | 80/50 | |
| SDSDQAD-200G | 200 | U1 | SD 3.0 | UHS-I 50 | -25°C to 85°C | 80/10 | |
| SDSDQAD-256G | 256 | U1 | SD 5.0 | UHS-I 104 | -25°C to 85°C | 95/10 | |
| Connected Home | | | | | | | |
| SDSDQEC-004G | 4 | U3 | SD 5.0 | UHS-I 104 | -25°C to 85°C | 50/50 | 200 |
| SDSDQEC-008G | 8 | U3 | SD 5.0 | UHS-I 104 | 0°C to 85°C | 50/50 | 400 |
| SDSDQEB-008G | 8 | U1 | SD 5.0 | UHS-I 104 | 0°C to 85°C | 50/10 | 80 |
| SDSDQEC-016G | 16 | U3 | SD 5.0 | UHS-I 104 | 0°C to 85°C | 50/50 | 800 |
| SDSDQEB-016G | 16 | U1 | SD 5.0 | UHS-I 104 | 0°C to 85°C | 50/20 | 160 |
| SDSDQEB-032G | 32 | U3 | SD 5.0 | UHS-I 104 | 0°C to 85°C | 50/30 | 320 |
| SDSDQEB-064G | 64 | U3 | SD 5.0 | UHS-I 104 | 0°C to 85°C | 50/30 | 640 |

NOT FOR NEW DESIGN

iNAND Embedded Flash Drives

| Part Number | Capacity | Interface | Operating Temp | Seq. R/W (MB/s) | Ran. R/W (IOPS) | Package |
|----------------------|----------|------------|----------------|-----------------|-----------------|-------------|
| Automotive | | | | | | |
| SDIN8DE2-4G-A | 4GB | 4.51 HS200 | -25°C to 85°C | 90/17 | 4500/500 | 11.5x13x1.0 |
| SDIN8DE1-8G-A | 8GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE2-8G-A | 8GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE2-16G-A | 16GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE4-32G-A | 32GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE4-64G-A | 64GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| Automotive XT | | | | | | |
| SDIN8DE2-4G-XA | 4GB | 4.51 HS200 | -40°C to 85°C | 90/17 | 4500/500 | 11.5x13x1.0 |
| SDIN8DE1-8G-XA | 8GB | 4.51 HS200 | -40°C to 85°C | 90/17 | 4500/850 | 11.5x13x1.0 |
| SDIN8DE2-8G-XA | 8GB | 4.51 HS200 | -40°C to 85°C | 115/30 | 4500/850 | 11.5x13x1.0 |
| SDIN8DE2-16G-XA | 16GB | 4.51 HS200 | -40°C to 85°C | 115/30 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE4-32G-XA | 32GB | 4.51 HS200 | -40°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.2 |
| SDIN8CE4-64G-XA | 64GB | 4.51 HS200 | -40°C to 85°C | 120/37 | 4500/1200 | 12x16x1.4 |
| Industrial | | | | | | |
| SDIN8DE2-4G-I | 4GB | 4.51 HS200 | -25°C to 85°C | 90/17 | 4500/500 | 11.5x13x1.0 |
| SDIN8DE1-8G-I | 8GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE2-8G-I | 8GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE2-16G-I | 16GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE4-32G-I | 32GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE4-64G-I | 64GB | 4.51 HS200 | -25°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.0 |
| Industrial XT | | | | | | |
| SDIN8DE2-4G-XI | 4GB | 4.51 HS200 | -40°C to 85°C | 90/17 | 4500/500 | 11.5x13x1.0 |
| SDIN8DE1-8G-XI | 8GB | 4.51 HS200 | -40°C to 85°C | 90/17 | 4500/850 | 11.5x13x1.0 |
| SDIN8DE2-8G-XI | 8GB | 4.51 HS200 | -40°C to 85°C | 115/30 | 4500/850 | 11.5x13x1.0 |
| SDIN8DE2-16G-XI | 16GB | 4.51 HS200 | -40°C to 85°C | 115/30 | 4500/1200 | 11.5x13x1.0 |
| SDIN8DE4-32G-XI | 32GB | 4.51 HS200 | -40°C to 85°C | 120/37 | 4500/1200 | 11.5x13x1.2 |
| SDIN8CE4-64G-XI | 64GB | 4.51 HS200 | -40°C to 85°C | 120/37 | 4500/1200 | 12x16x1.4 |

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