

## SD Cards



| SKU                   | Capacity | Class | Interface | Max Speed | Operating Temp | Seq. R/W (MB/s) | TBW |
|-----------------------|----------|-------|-----------|-----------|----------------|-----------------|-----|
| <b>Automotive XT</b>  |          |       |           |           |                |                 |     |
| 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           |     |
| <b>Industrial</b>     |          |       |           |           |                |                 |     |
| 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 |
| <b>Industrial XT</b>  |          |       |           |           |                |                 |     |
| 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 |
| <b>OEM/Commercial</b> |          |       |           |           |                |                 |     |
| 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           |     |
| <b>Connected Home</b> |          |       |           |           |                |                 |     |
| 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     |
|----------------------|----------|------------|----------------|-----------------|-----------------|-------------|
| <b>Automotive</b>    |          |            |                |                 |                 |             |
| 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 |
| <b>Automotive XT</b> |          |            |                |                 |                 |             |
| 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   |
| <b>Industrial</b>    |          |            |                |                 |                 |             |
| 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 |
| <b>Industrial XT</b> |          |            |                |                 |                 |             |
| 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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