

# 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
<b>Industrial</b>						
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
<b>Industrial XT</b>						
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
<b>OEM/Commercial</b>						
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
<b>Automotive</b>						
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
<b>Automotive XT</b>						
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
<b>Connected Home</b>						
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
<b>Cruzer Fit USB Flash Drive</b>				
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
<b>Cruzer Edge USB Flash Drive</b>				
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
<b>Connected Home Time Shift Buffer</b>				
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
<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
<b>Industrial Wide Temp</b>							
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
<b>OEM/Commercial</b>							
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	
<b>Connected Home</b>							
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

### Contact Information

For all inquiries, please email:  
[OEMProducts@SanDisk.com](mailto:OEMProducts@SanDisk.com)

For more information,  
 please visit:  
[www.sandisk.com](http://www.sandisk.com)

Sales and Technical Information:  
[techsupport@SanDisk.com](mailto:techsupport@SanDisk.com)

**USA** | Western Digital Technologies, Inc  
 Corporate Headquarters  
 951 SanDisk Drive  
 Milpitas, CA 95035  
 Tel: +1-408-801-1000  
 Fax: +1-408-801-8657

**Japan**  
 Shinagawa Tokyu Bldg., 3F  
 1-6-31, Konan, Minato-ku  
 Tokyo, Japan 108-0075  
 Tel: +81-3-4334-7110 (OEM Sales)

**Taiwan**  
 37F, Taipei 101 Tower, No 7  
 Xinyi Road, Section 5  
 Taipei, Taiwan, 110  
 Tel: +886-2-8758-2966  
 Fax: +886-2-8758-2999

**Europe**  
 7 Atir Yeda St.  
 Kfar Saba 44425, Israel  
 Tel: + 972-9-764-5000  
 Fax: + 972-3-548-8666

**Korea**  
 9F, Asia Tower,  
 430 Nonhyeon-Ro  
 Gangnam Gu, Seoul 135-719, Korea  
 Tel: + 82-2-6718-4600  
 Fax: + 82-2-3452-9145

**China**  
 Room 121-122, Bldg. 2  
 International Commerce & Exhibition Ctr.  
 Hong Hua Rd. Futian Free Trade Zone  
 Shenzhen, China  
 Tel: +86-755-8348-5218  
 Fax: +86-755-8348-5418



Western Digital Technologies, Inc. | 951 SanDisk Drive | Milpitas | CA 95035 | USA

©2017 Western Digital Corporation or its affiliates. All rights reserved. SanDisk and iNAND are trademarks of Western Digital Corporation or its affiliates, registered in the United States and other countries. Android is a trademark of Google Inc. The microSD, microSDHC and microSDXC marks and logos are trademarks of SD-3C, LLC. Other brand names mentioned herein are for identification purposes only and may be the trademark(s) of their respective holder(s).

Western Digital Technologies, Inc. is the seller of record and licensee in the Americas of SanDisk® products.

AUTO-COM-INDUST\_DIST1\_2\_082917

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [eMMC](#) category:*

*Click to view products by [SanDisk](#) manufacturer:*

Other Similar products are found below :

[MTFC8GACAENS-5M AAT TR](#) [MTFC32GAKAEFF-AIT TR](#) [MTFC16GAKAEFF-AIT TR](#) [MTFC64GAPALBH-AAT](#)  
[MTFC32GAPALBH-IT](#) [MTFC16GAPALBH-AIT](#) [GLS85VM1008C-M-I-LFWE-ND225](#) [SDINBDG4-8G-XI1](#) [GLS85VM1064B-M-I-LFWE-](#)  
[ND212](#) [SDINBDG4-32G](#) [IS21ES04G-JCLI](#) [SDINBDG4-8G-ZA](#) [SDINBDG4-64G-I1](#) [SFEM008GB1EA1TO-I-GE-111-STD](#)  
[SFEM016GB1EA1TO-I-GE-111-STD](#) [SFEM032GB1EA1TO-I-LF-111-STD](#) [SDINBDG4-32G-ZA](#) [IS22ES04G-JQLA1](#)  
[SFEM064GB1EA1TO-I-HG-111-E32](#) [SFEM016GB1EA1TO-I-GE-111-E08](#) [SFEM4096B1EA1TO-I-GE-111-STD](#) [SDINBDG4-32G-XA](#)  
[SDINADF4-128G](#) [SDINBDG4-64G-XA](#) [SDINBDG4-8G-XA](#) [SDINBDG4-16G-XA](#) [SDINBDG4-64G](#) [SDINBDG4-64G-ZA](#) [IS21ES32G-](#)  
[JCLI](#) [GLS85VM1004Q-S-I-LFWE-ND218](#) [GLS85VM1002E-S-I-LFWE-ND219](#) [GLS85VM1008G-S-I-BZYE-ND222](#) [IS21ES04G-JQLI](#)  
[IS21ES08G-JCLI](#) [IS21ES08G-JQLI](#) [IS21ES16G-JCLI](#) [IS21ES16G-JQLI](#) [IS21ES32G-JQLI](#) [IS21ES64G-JCLI](#) [IS21ES64G-JQLI](#) [IS22ES04G-](#)  
[JCLA1](#) [IS22ES08G-JCLA1](#) [IS22ES08G-JQLA1](#) [IS21ES32G-BQLI](#) [THGBMJG6C1LBAIL](#) [MTFC4GLGDM-AIT A](#) [MTFC4GLWDM-4M](#)  
[AAT A](#) [MTFC4GMWDQ-3M AIT A](#) [MTFC4GMWDQ-AIT A](#) [MTFC8GLWDQ-3L AIT A](#)