Western Digital® iNAND® IX EM132¹ Industrial Embedded Flash Devices

PRODUCT BRIEF

Specifications

	16GB	32GB	64GB	128GB	256GB
Interface	eMMC 5.1 HS400				
Form Factor (mm)	11.5mm x 13mm x 1.0mm	11.5mm x 13mm x 1.2mm			
NAND Flash Technology	3D NAND BICS3 64L				
Formatted Capacity ²	16GB	32GB	64GB	128GB	256GB
Operating Voltage					
Core Voltage (VCC):	2.7-3.6V	2.7-3.6V	2.7-3.6V	2.7-3.6V	2.7-3.6V
I/O (VCCQ) Voltage	1.7-1.95V or 2.7-3.6V				
Operating Temperature					
Industrial Wide Temperature	-25°C to 85°C				
Industrial Extended Temperature		-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Performance ³					
Sequential Read/Write (MB/s)	Up to 310/150				
Random Read/Write (IOPS)	Up to 20K/12.5K				
Write Endurance					
Total Terabytes Written (TBW)			Up to 693TBW		
Ordering Information					
Commercial Grade	SDINBDA6-16G	SDINBDA6-32G	SDINBDA6-64G	SDINBDA6-128G	SDINBDA6-256G
Industrial Wide Temperature	SDINBDA6-16G-11	SDINBDA6-32G-I1	SDINBDA6-64G-I1	SDINBDA6-128G-I1	SDINBDA6-256G-I1
Industrial Extended Temperature		SDINBDA6-32G-XI1	SDINBDA6-64G-XI1	SDINBDA6-128G-XI1	SDINBDA6-256G-XI1

Western Digital.

San Jose, CA 95119, USA US (Toll-Free): 877.816.5740 International: 408.717.6000 www.westerndigital.com

© 2021 Western Digital Corporation or its affiliates. All rights reserved. Western Digital, the Western Digital logo, and iNAND are registered trademarks or trademarks of Western Digital Corporation or its affiliates in the US and/or other countries. Pictures shown may vary from actual products. References in this publication to Western Digital products, programs, or services do not imply that they will be made available in all countries. Product specifications provided are sample specifications that are subject to change and do not constitute a warranty. Please visit our website, http://www.westerndigital.com for additional information on product specifications.

¹ Formerly known as iNAND 75501.
² 1 GB = 1,000,000,000 bytes, 1TB=1 trillion bytes. Actual user capacity may be less due to operating environment.

³ Performance will vary by capacity point or with the changes in useable capacity. Consult product manual for further details.