

## ■ NGFF DX1



The NGFF DX1 is a NAND flash memory device which provides high reliability and high performance for storage media. NGFF DX1 is substantially smaller, lighter, and consumes less power while still providing sufficient storage space to load an OS and serve as a bootable drive for embedded applications.

Measuring only 22.0 x 80.0 x 3.5mm, the NGFF DX1 can be easily mounted into Ultrabooks without any cables and provides fast read and write speeds of up to with high reliability. The SATA III interface provides extremely fast read and write speeds and the physical specifications meet the Next Generation Form Factor. It can also be easily used as a storage solution for servers and in the medical industry.

### Physical Specifications

|                |                      |
|----------------|----------------------|
| Form Factor    | 80 mm M.2            |
| Capacity       | 32 GB to 256 GB      |
| Internal Cache | 256 MB DDR3          |
| Dimensions     | 22.0 x 80.0 x 3.5 mm |
| NAND Flash     | MLC/SLC              |
| Interface      | SATA III             |
| Power Supply   | 3.3V +/-5%           |

### Environmental Specifications

|                                    |              |
|------------------------------------|--------------|
| Shock (Operating)                  | 1500G        |
| Vibration (Operating)              | 16G          |
| Operating Temperature (Industrial) | -40°C ~ 85°C |
| Operating Temperature (Commercial) | 0°C ~ 70°C   |

### Reliability Specifications

|                  |                           |
|------------------|---------------------------|
| MTBF             | +1,000,000 hours          |
| Data Reliability | Built in EDC/ECC function |

### Ordering Information

| Part Number | NAND Capacity |
|-------------|---------------|
| FN8032JCRM  | 32 GB         |
| FN8064JCRM  | 64 GB         |
| FN8128JCRM  | 128 GB        |
| FN8256JCRM  | 256 GB        |