



## Main Features

- ♦ MiniPCle Form Factor
- ♦ No Batteries
- ♦ Non-Volatile RAM Design
- ♦ Capacity Support 1MB
- ♦ Data retained while system power lost

## Product Overview

NISKNVRAM is a MRAM MiniPCle device which provides non-volatile data storage and access for all NISE/NIFE models. The MRAM density is 1MB and the data speed is 12MB/s for both read/write timing. NISKNVRAM is a great solution for Factory Automation application that requires data secure and protection during power loss or low voltage.

## Specifications

### Form Factor

- ♦ MiniPCle Gen1, MiniCard full size

### Dimension

- ♦ 51 x 30mm

### MRAM Density

- ♦ 1MB, MRAM
- ♦ 4MB, MRAM (maximum support, By request)

### Power Requirement

- ♦ + 3.3V, MiniPCle standard

### Data Bus

- ♦ 32 bits

### Speed

- ♦ 12MB/s for read/write (32bits)

### Endurance

- ♦ Unlimited Read/Write Endurance

### Data Retention:

- ♦ Data Retained For >20-Years Without Backup Cycle

### Environment

- ♦ Operating Temperature:  
Ambient with air flow: 0°C ~ 70°C
- ♦ Storage Temperature: -40°C ~ 85°C
- ♦ Relative Humidity: 5% to 95% (Non-Condensing)

### RoHS

- ♦ Compliance with RoHS

### Driver OS Support Lists

- ♦ Windows 7 32bits

## Ordering Information

- ♦ **Art. No. 144957 NISKNVRAM**

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