ARXCIS NVDIMM

The ArxCis-NV™ is a DDR4 Non-Volatile DIMM, that delivers both performance and reliability to enterprise applications. This non-volatile memory module has been designed to be integrated into Intel’s new NVDIMM enabled servers via DDR4 DIMM sockets. Designed to preserve critical data in the event of a power or system failure. ArxCis-NV™ enables the host system to recover from a failure event with simplicity and ease.

**Non-Volatile DDR4 Memory**
- Storage Class - Persistent Memory
- 100% Data Security
- Unlimited Write Endurance

**JEDEC Standard DDR4 Interface**
- Customizable Energy Sub-System
- 10 Year Data Retention
- End-to-End RAS Coverage

### PART NUMBER - SPECIFICATIONS & SUPPORT

<table>
<thead>
<tr>
<th>NVDIMM Capacity</th>
<th>Part Number</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>DDR4 8GB NVDIMM</td>
<td>VRA9MR8B2H16</td>
<td>Form factor: DDR4 (288-Pin DIMM)</td>
</tr>
<tr>
<td>DDR4 16GB NVDIMM</td>
<td>VRA9MRAB2H32</td>
<td>Dimensions (mm): 133.35 (L) x 3.95 (W) x 31.25 (H)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Motherboard Supported (Supermicro)</th>
<th>Bios Rev</th>
<th>Software Development Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>X10DRi(-T)</td>
<td>1.0c</td>
<td>Linux: Centos 7</td>
</tr>
<tr>
<td>X10DRH-C/ii(T)</td>
<td>1.0c</td>
<td>Kernel: Version 3.10</td>
</tr>
<tr>
<td>X10DRT-P/PT/PIBF</td>
<td>1.0c</td>
<td></td>
</tr>
<tr>
<td>X10DRT-H/HIBF</td>
<td>1.0a</td>
<td></td>
</tr>
<tr>
<td>X10DRC/i-LN4+/T4+</td>
<td>1.0b</td>
<td></td>
</tr>
<tr>
<td>X10DRU-i+</td>
<td>1.0c</td>
<td></td>
</tr>
<tr>
<td>X10DRFR(N)(T)</td>
<td>1.0b</td>
<td></td>
</tr>
<tr>
<td>X10DRS-2U</td>
<td>1.00</td>
<td></td>
</tr>
</tbody>
</table>

**Save Time**
- 8GB: <80 sec
- 16GB: <160 sec (est.)

**Restore Time**
- 8GB: <55 sec
- 16GB: <110 sec (est.)
ARXCIS NVDIMM Energy Subsystems

The ArxCis-NVTM is a DDR4 Non-Volatile DIMM enabled by an energy subsystem (ESS) which provides enough power to the module in an event of power-loss to safely store all mission critical data. These ESS come in a variety of standard form factors, PCIe, FanBay and SuperCaps without casing. Viking Technology has the ability to customize ESS to fit customer's open slot within the server/storage appliance. Form factors can vary from PCIe, 2.5" drive bays, fan bays, and customized form factors.

### Functional Specifications
- Host initiated health monitoring
- Designs charging up to 12V
- Fully charged in 3 minutes
- LED for ESS status

### ESS Options

<table>
<thead>
<tr>
<th>ESS Options</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCIe ESS (12V) x2*</td>
<td>VRCP038FS60P2</td>
</tr>
<tr>
<td>FanBay (w/ Cover)</td>
<td>VRCP100FH30F1</td>
</tr>
<tr>
<td>FanBay (w/o Cover)</td>
<td>VRCP100FH30B1</td>
</tr>
</tbody>
</table>

*PCIe ESS can support up to 2 NVDIMM Modules

### ARXCIS NVDIMM DDR4
High-Performance Non-Volatile DIMM for Enterprise Critical Applications

Global Locations

#### US Headquarters
20091 Ellipse
Foothill Ranch, CA 92610
Toll Free: +1 800 338 2361
Main: +1 949 643 7255
Fax: +1 949 643 7250

#### Europe
Lerchenstrasse 1 D-91710
Gunzenhausen
Germany
Phone: +49 2921 981 6463

#### Asia Pacific
No 2 Chai Chee Drive
Singapore, 109840
Phone: +65 6839 8008

#### Japan
Shinagawa Grand Central Tower 6F
2-16-4 Konan, Minato-ku,
Tokyo 108-0075, Japan
Phone: +81-3-6863-9351

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