XiJ | INDUSTRIAL AI COMPUTER MODULE

**XiJ** is a compact AI computer built with no moving parts and is equipped with an aluminum heatsink in an IP50 sealed form factor, featuring the NVIDIA Jetson Xavier NX module. The XiJ brings AI supercomputing power to the industrial edge environment in a compact and rugged package.

- Fanless (No Moving Parts)
- Aluminum Heatsink
- IP50 Rating
- Black Powder Coating
- Optional Drip Shield to meet IP52 standards
- 24VDC Power Entry (4-Pin Quick Disconnect)

### COMPUTER I/O
- 1Gb Ethernet Port
- USB 3.0 Ports
- HDMI 2.0 Ports

### CPU / CPU SPEED
- 6-Core Nvidia Carmel ARM® v8.2 64-bit CPU
- 6MB L2 + 4 MB L3, up to 1900 MHz

### MEMORY
- 8GB 128-bit LPDDR4x, 51.2GB/s

### STORAGE
- 16GB eMMC 5.1

### GPU
- NVIDIA Volta Architecture with 384 NVIDIA CUDA® Cores and 48 Tensor Cores
- 1100 MHz

### MAX GPU FREQUENCY
- 2x NVDIA Engines
- 1100 MHz

### DL ACCELERATOR
- 7-Way VLIW Vision Processor

### DLA MAX FREQUENCY
- 21 TOPS (INT8)

### VISION ACCELERATOR
- LINUX Ubuntu and Windows 10 Enterprise LTSC 2019
- 24VDC Power Entry (4-Pin Quick Disconnect Included)
- Operating: 0°-50°C | 32°-122°F
- Non-Operating: -25°-60°C | -13°-140°F

### AI PERFORMANCE
- Non-Condensing: 20% - 80%
- Operating: 10G
- Non-Operating: 15G

### OPERATING SYSTEM
- Operating: 1.0G from 57~2000Hz
- Non-Operating: 2.5G from 57~2000Hz

### POWER SUPPLY TEMPERATURE
- EU: RoHS Directive 2011/65/EU, EN 50581

### RELATIVE HUMIDITY
- 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.

### SHOCK RESISTANCE
- 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.

### VIBRATION
- Operating: 1.0G from 57~2000Hz
- Non-Operating: 2.5G from 57~2000Hz

### COMPLIANCE
- Operating: 1.0G from 57~2000Hz
- Non-Operating: 2.5G from 57~2000Hz

### WARRANTY
- Operating: 1.0G from 57~2000Hz
- Non-Operating: 2.5G from 57~2000Hz

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620 TECHNOLOGY DRIVE, ANN ARBOR, MI 48108 | PH: 734.677.6100 | SALES@DYNICS.COM | WWW.DYNICS.COM
**XiJ DIMENSIONS, WEIGHT AND POWER CONSUMPTION**

<table>
<thead>
<tr>
<th>XiJ</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>WEIGHT</th>
<th>POWER CONSUMPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7.1” (179.0mm)</td>
<td>2.63” (66.7mm)</td>
<td>4.99” (126.7mm)</td>
<td>3.0 lbs.* (1.4 Kgs.)*</td>
<td>24VDC (TBD Watts)**</td>
</tr>
</tbody>
</table>

* Weights are approximate, contact DYNICS for details.

** Power consumption is based on maximum ratings; actual ratings vary significantly based on components used.

**XiJ MECHANICAL DRAWINGS**

**TOP VIEW**

**POWER INPUT**
### XiJ Drip Shield Dimensions and Weight

<table>
<thead>
<tr>
<th>XiJ Drip Shield</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9.5”</td>
<td>9.0”</td>
<td>4.0”</td>
<td>3.0 lbs.*</td>
</tr>
<tr>
<td></td>
<td>(241.3mm)</td>
<td>(228.6mm)</td>
<td>(101.6mm)</td>
<td>(1.4 Kgs.)*</td>
</tr>
</tbody>
</table>

*Weights are approximate, contact DYNICS for details.

**Power consumption is based on maximum ratings; actual ratings vary significantly based on components used.

### XiJ Drip Shield Mechanical Drawings

[Drawings of XiJ Drip Shield]

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* All measurements are in inches and pounds, unless noted. Pictures and drawings are not to scale. Estimated weight may change depending on options.
* DYNICS reserves the right to change, modify, upgrade, or discontinue any part of this datasheet without any prior notice.

620 Technology Drive, Ann Arbor, MI 48108 | PH: 734.677.6100 | Sales@Dynics.com | www.dynics.com