INDUSTRIAL COMPUTER MODULE

BIX | INDUSTRIAL COMPUTER

DYNICS BIX industrial computer is a rugged, compact, modular steel construction built to order. Comes with your choice of a Braswell, Gemini Lake or 6th/8th Gen Intel® Core™ i5 / i7 processor. Available with your choice of 0 or 1 PCI express slot, processor and custom configurations.

- Rugged Metal Enclosure
- 100~240VAC / 24VDC
- Panel Mount

<table>
<thead>
<tr>
<th>COMPUTER I/O</th>
<th>Mini-ITX Braswell</th>
<th>Mini-ITX Gemini Lake</th>
<th>Mini-ITX Q170</th>
<th>Mini-ITX Q370</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Gb Ethernet Port (Supporting Intel® AMT)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1x</td>
</tr>
<tr>
<td>1Gb Ethernet Port</td>
<td>2x</td>
<td>2x</td>
<td>2x</td>
<td>1x</td>
</tr>
<tr>
<td>RS232/422/485 Ports</td>
<td>1x</td>
<td>2x</td>
<td>1x</td>
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<tr>
<td>USB 3.0 Ports</td>
<td>2x</td>
<td>2x</td>
<td>4x</td>
<td>4x</td>
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<tr>
<td>USB 2.0 Ports</td>
<td>-</td>
<td>2x</td>
<td>4x</td>
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<tr>
<td>PS/2 Port</td>
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<tr>
<td>DVI-D Port</td>
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<td>-</td>
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<td>1x</td>
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<tr>
<td>HDMI Port</td>
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<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DisplayPorts V1.2</td>
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<td>2x</td>
<td>2x</td>
<td>2x</td>
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<tr>
<td>Audio Jacks</td>
<td>-</td>
<td>2x</td>
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</tbody>
</table>

**CPU/ CPU SPEED**
- Braswell Quad Core Celeron® N3160, up to 2.24 GHz, 2MB Cache
- Gemini Lake Quad Core Celeron® J4105, up to 2.5 GHz, 4MB Cache
- 6th Gen Quad Core™ i5-6500TE, up to 3.3 GHz, 6MB Cache
- 6th Gen Quad Core™ i7-6700TE, up to 3.4 GHz, 8MB Cache
- 8th Gen Hexa Core™ i5-8500T, up to 3.5 GHz, 9MB Cache
- 8th Gen Hexa Core™ i7-8700T, up to 4.0 GHz, 12MB Cache

**MEMORY**
- 8GB DDR3
- 16GB DDR4
- 32GB DDR4
- 32GB DDR4

**EXPANSION SLOTS**
- BIXE - 1x PCIe x16 with Q170/Q370 – 1x PCIe with Braswell
- 240GB - 2TB SATA SSD

**STORAGE**
- Windows® 7 Professional (64-bit) / Windows® Embedded Standard 7 (64-bit)
- Windows® 10 Enterprise IoT LTSC 2019 (64-bit) (required for Gemini lake or Q370)
- Windows® 10 Professional (64-bit) (required for Gemini lake or Q370)
- Linux Ubuntu

**OPERATING SYSTEM**

**POWER SUPPLY**
- 100~240VAC/24VDC Power Entry
- Operating: 0°C-50°C | 32°F-122°F
- Non-Operating: -25°C-60°C | -13°F-140°F

**RELATIVE HUMIDITY**
- Non-Condensing: 20% - 80%

**SHOCK RESISTANCE**
- Operating: 10G
- Non-Operating: 15G

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

**INCLUDED**
- Panel Mounting Bracket
- EU: RoHS Directive 2011/65/EU, EN 50581

**COMPLIANCE**
- 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.

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## INDUSTRIAL COMPUTER MODULE

### BIX

#### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

<table>
<thead>
<tr>
<th></th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>WEIGHT</th>
<th>POWER CONSUMPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIXO</td>
<td>3.250&quot;</td>
<td>11.770&quot;</td>
<td>8.540&quot;</td>
<td>6 lbs.*</td>
<td>Input Current: 115 Watts**</td>
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<tr>
<td></td>
<td>(82.6mm)</td>
<td>(298.9mm)</td>
<td>(216.9mm)</td>
<td>(2.7gs).*</td>
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</tr>
<tr>
<td>BIXE</td>
<td>5.375&quot;</td>
<td>11.770&quot;</td>
<td>8.540&quot;</td>
<td>8 lbs.*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(136.5mm)</td>
<td>(298.9mm)</td>
<td>(216.9mm)</td>
<td>(3.6 Kgs).*</td>
<td>115 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.

### MECHANICAL DRAWINGS

**BIXO I/O View**

**BIXE I/O View**

**BIXO Top View**

**BIXE Side View**

**BIXO Side View**

**BIXE Side View**

**Power Entry 100~240VAC**

**Power Entry 24VDC**

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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.

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