MINI | Industrial Computer

DYNICS MINI series features four different minicomputers (Standard, Extended, Sealed IP50, and Desktop), equipped with a Braswell quad core processor and aluminum heat sinks, making these compact computers powerful and effective in industrial environments; suited for a multitude of production applications.

- Braswell N3160 CPU
- Fanless (No Moving Parts)
- Aluminum Heatsink
- 24VDC Power Entry
- Graphite Gray Powder Coat Finish
- Din Rail & Bracket Mounting Options

PC SPECIFICATIONS

<table>
<thead>
<tr>
<th>Computer I/O Ports</th>
<th>MINI-S Standard</th>
<th>MINI-E Extended</th>
<th>MINI-X Sealed IP50</th>
<th>MINI-D Desktop</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Gb Ethernet Ports</td>
<td>2x</td>
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<tr>
<td>USB 3.0 Ports</td>
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<tr>
<td>USB 2.0 Ports</td>
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<tr>
<td>DisplayPort</td>
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<td>HDMI Port</td>
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<td>RS232 Port</td>
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<tr>
<td>RS232/422/485 Port</td>
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<tr>
<td>Audio Jacks (Mic-In/Line-Out)</td>
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CPU: Braswell N3160
CPU SPEED: 1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)
MEMORY: Up to 8GB DDR3
STORAGE: 240GB to 480GB SATA 2.5" SSD / 1TB 2.5" HDD / 240GB mSATA (mSATA not available with MINI-e)
OPERATING SYSTEM:
- Windows® 7 Professional (64-bit) - Windows® 7 Embedded (64-bit)
- Windows® 10 Enterprise IoT LTSC 2019
- Windows® 10 Pro (64-bit)
- Linux Ubuntu
POWER SUPPLY: 24VDC Power Entry
TEMPERATURE:
- Operating: 0°-50°C | 32°-122°F
- Non-Operating: -25°-60°C | -13°-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:
- 1x Panel Mount Brackets
- 1x Set of DIN Rail Mounts
- 1x DisplayPort-to-VGA adapter
COMPLIANCE:
- USA: UL 61010-1 (UL Listed), FCC 47 CFR Part 15, Class A
- Canada: CSA C22.2 No. 61010-1-12 (CUL Listed), ICES-001, Group 1, Class A
- European Union CE: EN 61010-1, EN 50581, CISPR 11, Group 1, Class A
- European Union Directive 2014/35/EU (RoHS)
WARRANTY:
- 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.
## INDUSTRIAL COMPUTER MODULE

### MINI

### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

<table>
<thead>
<tr>
<th>Model</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
<th>Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>MINI-S</td>
<td>2.1” (54.0mm)</td>
<td>8.4” (214.9mm)</td>
<td>4.6” (119.3mm)</td>
<td>5 lbs.*</td>
<td>25 Watts**</td>
</tr>
<tr>
<td>MINI-E</td>
<td>2.0” (50.8mm)</td>
<td>12.0” (304.8mm)</td>
<td>4.5” (114.3mm)</td>
<td>7 lbs.*</td>
<td>25 Watts**</td>
</tr>
<tr>
<td>MINI-X</td>
<td>1.8” (47.9mm)</td>
<td>7.8” (200.0mm)</td>
<td>6.0” (152.9mm)</td>
<td>3 lbs.*</td>
<td>25 Watts**</td>
</tr>
<tr>
<td>MINI-D</td>
<td>1.4” (36.2mm)</td>
<td>8.7” (222.2mm)</td>
<td>4.7” (119.3mm)</td>
<td>2 lbs.*</td>
<td>25 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

- **MINI-S**
  - Top View
  - Front View
  - Bottom View

- **MINI-E**
  - Top View
  - Front View
  - Bottom View
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.