DYNICS GPC is an industrial computer with an active backplane, two full length PCI slots and either a 6th/8th Gen Intel® Core™ i5 / i7 processor. The GPC is designed for new and legacy applications within industrial environments.

- 100~240VAC / 24VDC
- UL Listed (Q170 Only)
- Raid Option
- UPS35 Option on 24VDC
- 2 Full-Length PCI Slots and 1 PCIe x16 Slot

### PC SPECIFICATIONS

#### COMPUTER I/O

<table>
<thead>
<tr>
<th>Mini-ITX Q170</th>
<th>Mini-ITX Q370</th>
</tr>
</thead>
<tbody>
<tr>
<td>1Gb Ethernet Port (Supporting Intel® AMT)</td>
<td>1Gb Ethernet Port</td>
</tr>
<tr>
<td>2x 1Gb Ethernet Port</td>
<td>1x</td>
</tr>
<tr>
<td>1x RS232/422/485 Ports</td>
<td>1x</td>
</tr>
<tr>
<td>4x USB 3.0 Ports</td>
<td>1x</td>
</tr>
<tr>
<td>4x USB 3.1 Ports</td>
<td>4x</td>
</tr>
<tr>
<td>2x USB 2.0 Ports</td>
<td>4x</td>
</tr>
<tr>
<td>2x PS/2 Port</td>
<td>2x</td>
</tr>
<tr>
<td>2x DVI-D Port</td>
<td>1x</td>
</tr>
<tr>
<td>2x DisplayPorts V1.2</td>
<td>2x</td>
</tr>
<tr>
<td>2x Audio Jacks</td>
<td>2x</td>
</tr>
</tbody>
</table>

#### CPU / CPU SPEED

- 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

- 240GB - 2TB SATA SSD / 1TB HDD (RAID Option Available)
- Up to 32 GB DDR4

#### STORAGE

- Windows® 7 Professional (64-bit)/ Windows® 7 Embedded Standard (64-bit)
- Windows® 10 Enterprise IoT LTSC 2019 (64-bit)
- Windows® 10 Professional (64-bit) (Q370 Only)
- Linux Ubuntu

#### OPERATING SYSTEM

#### POWER SUPPLY

- 100~240VAC / 24VDC Power Entry / UPS35
- Operating: 0°-50°C | 32°-122°F
- Non-Operating: -25°-60°C | -13°-140°F

#### TEMPERATURE

- Non-Condensing: 20% ~ 80%
- Operating: 10G
- Non-Operating: 15G
- Operating: 1.0G from 57~2000Hz
- Non-Operating: 2.5G from 57~2000Hz

#### SHOCK RESISTANCE

- Panel Mounting Bracket / 1x 6FT Power Cable

#### VIBRATION

- USA: UL 60950-1 (UL Listed), FCC 47 CFR Part 15, Class A Canada: CSA C22.2 No. 60950-1-07 (CUL Listed), ICES-001, Group 1, Class A European Union CE: EN 60950-1, EN 61326-1, CISPR 11, Group 1, Class A European Union Directive 2011/65/EU (RoHS) (Q170 Only)

#### WARRANTY

- 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.
## INDUSTRIAL COMPUTER MODULE

### 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>GPC</td>
<td>5.048&quot;</td>
<td>12.915&quot;</td>
<td>17.630&quot;</td>
<td>21 lbs.*</td>
<td>AC- 124 Watts**</td>
</tr>
<tr>
<td></td>
<td>(128.2mm)</td>
<td>(328.0mm)</td>
<td>(447.8mm)</td>
<td></td>
<td>DC- 124 Watts**</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AC-104 Watts**</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>DC-103 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

#### TOP VIEW

#### I/O VIEW

#### BOTTOM VIEW

#### POWER ENTRY OPTIONS

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.