GPC
Datasheet

GPC | Gauge PC

DYNICS GPC is an industrial computer with an active backplane, two full length PCI slots and either a 3rd Gen Intel® Core™ i5/i7 or 6th Gen Intel® Core™ i5/i7 processor. The GPC is designed for new and legacy applications within industrial environments.

Key Features

- Optional:
  - Removable Drive Tray
- 2 Full-Length PCI Slots and 1 PCIe x16 Slot
- UL Listed
- 100~240VAC / 24VDC

PC Specifications

Motherboard:	MINI-ITX QM77	MINI-ITX Q170
I/O	1x 1Gb Ethernet Port (Supporting Intel® AMT) 1x 1Gb Ethernet Port 2x RS232/422/485 Ports 2x RS232 Ports 2x USB 3.0 Ports 4x USB 2.0 Ports 1x PS/2 Port (Keyboard/Mouse) 1x DVI-I Port 1x HDMI Port 1x DisplayPort 3x Audio Jacks (Mic-In/Line-In/Line-Out)	1x 1Gb Ethernet Port (Supporting Intel® AMT) 1x 1Gb Ethernet Port 2x RS232 Ports 4x USB 3.0 Ports 4x USB 2.0 Ports 2x PS/2 Ports (Keyboard & Mouse) 1x DVI-D Port 2x DisplayPorts V1.2 2x Audio Jacks (Mic-In/Line-Out)
CPU	3rd Gen Intel® Core™ i5 3610ME / i7 3610QE	6th Gen Intel® Core™ i5 6500TE / i7 6700TE
CPU Speed	i5 – 2.7GHz Base, 3.3GHz Turbo (2 Cores, 4 Threads) i7 – 2.3GHz Base, 3.3GHz Turbo (4 Cores, 8 Threads)	i5 – 2.3GHz Base, 3.3GHz Turbo (4 Cores, 4 Threads) i7 – 2.4GHz Base, 3.4GHz Turbo (4 Cores, 8 Threads)
Memory	Up to 16GB DDR3 (32-bit OS Limits Memory to 4GB)	Up to 32GB DDR4
Power Supply	100~240VAC / 24VDC Power Entry	
Storage	240GB – 2TB SATA SSD / 1TB HDD	
Operating System	**QM77** - Windows® Embedded Standard 2009 (32-bit) **Q170** - Windows® 7 Professional (64-bit) - Windows® 7 Embedded Standard (64-bit) - Windows® 10 Enterprise IoT LTSB 2016 (64-bit)	
Temperature	Operating: 0° - 50°C (32° - 122°F) Non-Operating: -25° - 60°C (-13° - 140°F)	
Relative Humidity	Non-Condensing: 20% - 80%	
Shock	Operating: 10G Non-Operating: 15G	
Vibration	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz	
Compliance	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)	
Warranty	24-Month limited warranty. Extended hardware available, contact DYNICS for details.	

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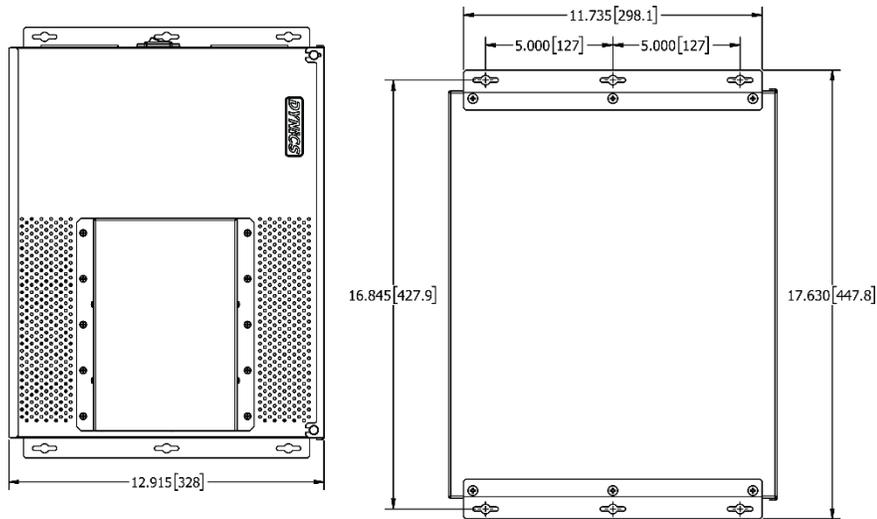
Dimensions, Weights and Power Consumptions

	Height:	Width:	Depth:	Weight:
Dual SSD	5.048" (128.2mm)	12.915" (328.0mm)	17.630" (447.8mm)	21 lbs.*
Quad SSD	5.957" (151.3mm)	12.915" (328.0mm)	17.630" (447.8mm)	21 lbs.*

Power Consumption:	MINI-ITX QM77	MINI-ITX Q170
AC	104 Watts**	124 Watts**
DC	103 Watts**	123 Watts**

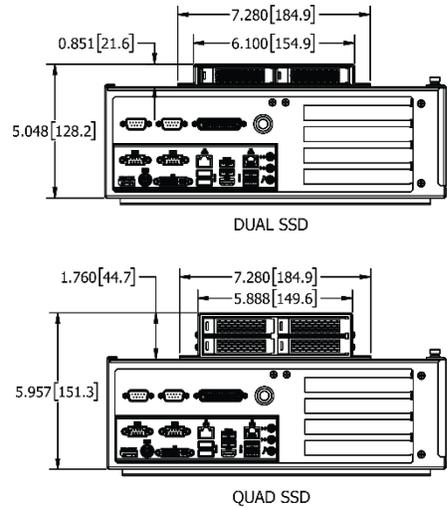*Weights are approximate, contact DYNICS for details.
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

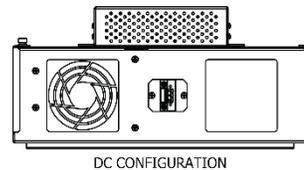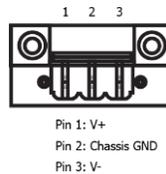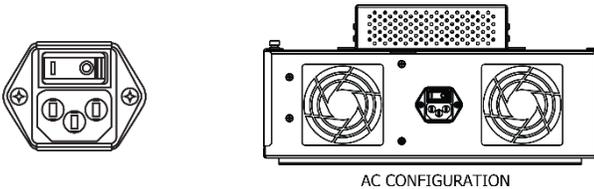## Mechanical Drawings

Top and Bottom View	I/O View

DUAL SSD

QUAD SSD

Power Entry 100~240VAC	Power Entry 24VDC

AC CONFIGURATION

Pin 1: V+
Pin 2: Chassis GND
Pin 3: V-

DC CONFIGURATION

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.