DYNICS

GPC

GPC | INDUSTRIAL PANEL PC

DYNICS GPC is an industrial computer with an active backplane, two full length PCI slots and an 8th or 12th Gen Intel® Core™ i5 / i7 processor. The GPC is designed for new and legacy applications within industrial environments.

- 100~240VAC / 24VDC Power Entry
- UL Listed (See details below)
- Raid Option

- UPS60P Option on 24VDC
- 2 Full-Length PCI Slots and 1 PCIe x16 Slot

PC SPECIFICATIONS

COMPUTER I/O	Mini-ITX Q370	Mini-ITX Q670E
1Gb Ethernet Ports (Supporting Intel® AMT)	1x	1x
1Gb Ethernet Ports	1x	-
2.5Gb Ethernet Ports	-	1x
RS232/422/485 Ports	2x	1x
USB 3.2 Gen 1 Ports	-	2x
USB 3.2 Gen 2 Ports	-	3x
USB 3.0 Ports	2x	-
USB 3.1 Ports	2x	-
USB 2.0 Ports	4x	2x
USB Type-C Ports	-	1x
PS/2 Port	2x	-
DVI-D Port	1x	-
DisplayPorts	2x	2x
Audio Jacks	2x	2x
CPU/ CPU SPEED	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	12th Gen Intel® Core™ i5-12500TE Up to 4.3GHz, 18MB Cache (6 cores, 12 threads) i7-12700TE Up to 4.6GHZ P Cores, 25MB Cache (8 P Cores, 4 E Cores, 20 Threads)
MEMORY	Up to 32 GB DDR4	Up to 64GB DDR5
STORAGE	256GB - 2TB SATA SSD / 1TB HDD (RAID Option Available)	
OPERATING SYSTEM	- Windows® 10 Enterprise IoT LTSC 2019 (64-bit) **(Code: E19)** - Windows® 10 Pro (64-bit) **(Code: W10)** - Windows® 10 Enterprise IoT LTSC 2021 (64-bit) **(Code: E21)** - Windows® 11 Pro (64-bit) **(Code: W11)** - Linux® Ubuntu® **(Code: LUB)** (Contact DYNICS for more details) - Optional Custom OS **(Code: COS)** (Contact DYNICS for more details)	
POWER SUPPLY	100~240VAC Power Entry / 24VDC Power Entry / UPS60P	
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	Panel Mounting Bracket / 1x 6ft. Power Cable	
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 EU: RoHS Directive 2011/65/EU, EN 50581, EMC Directive 2014/30/EU, EN 61326-1, Low Voltage Directive 2014/35/EU, EN 61010-1+EN 61010-2-201	
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.	

GPC

DIMENSIONS, WEIGHT AND POWER CONSUMPTION

|	HEIGHT	WIDTH	DEPTH	WEIGHT	POWER CONSUMPTION Q370	Q670E
GPC – DUAL SSD	5.295" (134.5mm)	12.915" (328.0mm)	17.630" (447.8mm)	28.2 lbs.*	**AC-** 150 Watts** **DC-** 150 Watts**	**AC-** 80 Watts** **DC-** 80 Watts**
GPC – QUAD SSD	6.204" (157.6mm)	12.915" (328.0mm)	17.630" (447.8mm)	28.2 lbs.*	**AC-** 150 Watts** **DC-** 150 Watts**	**AC-** 80 Watts** **DC-** 80 Watts**

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

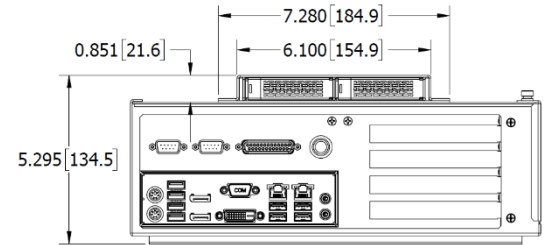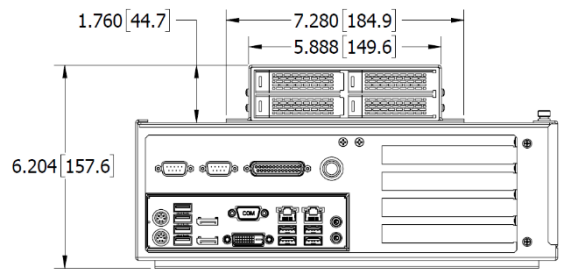## MECHANICAL DRAWINGS *(Shown with Mounting Brackets, Represents Q370 Model)*
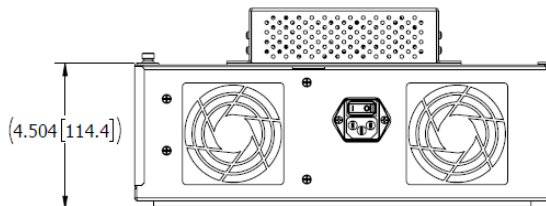
TOP VIEW
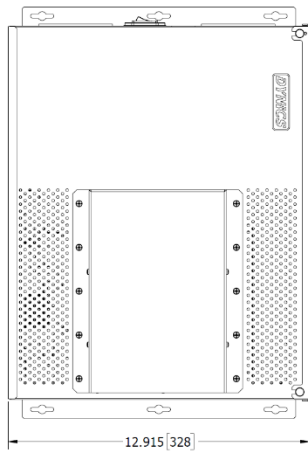
BOTTOM VIEW
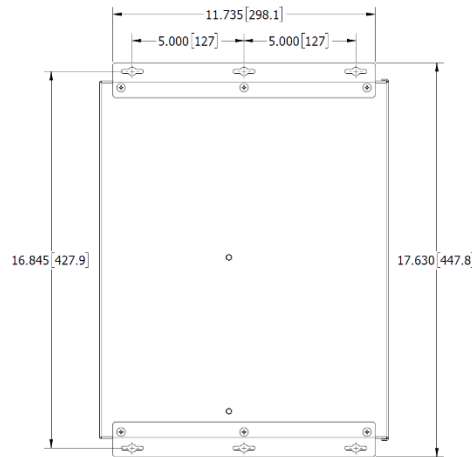
I/O VIEW

DUAL SSD

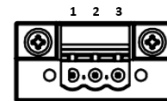**QUAD SSD**

POWER ENTRY OPTIONS

PIN 1: V+
PIN 2: ⏚ (Chassis Ground)
PIN 3: V−
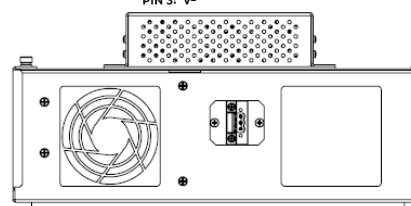
AC CONFIGURATION

DC CONFIGURATION

GPC

MECHANICAL DRAWINGS *(Shown with Mounting Brackets, Represents Q670E Model)*

TOP VIEW

12.915 [328]

BOTTOM VIEW

11.735 [298.1]
5.000 [127]   5.000 [127]
16.845 [427.9]
17.630 [447.8]

I/O VIEW

7.280 [184.9]
6.100 [154.9]
0.851 [21.6]
5.295 [134.5]

DUAL SSD

7.280 [184.9]
5.888 [149.6]
1.760 [44.7]
6.204 [157.6]

QUAD SSD

POWER ENTRY OPTIONS

(4.504 [114.4])

AC CONFIGURATION

1 2 3

PIN 1: V+
PIN 2: ⏚ (Chassis Ground)
PIN 3: V−

DC CONFIGURATION

RoHS COMPLIANT   MADE IN THE USA   c(UL)US LISTED   ubuntu   Windows 10   Windows 11

620 TECHNOLOGY DRIVE, ANN ARBOR, MI 48108 | PH: 734.677.6100 | SALES@DYNICS.COM | WWW.DYNICS.COM