

# IC-445-G

## 4U RACK COMPUTER FOR CONTROLLED APPLICATIONS

### KEY BENEFITS

- ▶ Latest Intel 7th generation processors deliver increased performance and efficiency
- ▶ Robust industrial chassis design extends platform lifespan
- ▶ Fully controlled chassis limits costly design changes
- ▶ Industrial-grade filter to protect from dust ingress and extend product life
- ▶ Lockable front door to prevent unauthorised access to power switches and I/O
- ▶ Easily serviceable fans to reduce maintenance time
- ▶ Customisable chassis options such as branding and colour



The new IC-445-G series from Captec is our most robust off-the-shelf 4U platform. Designed for demanding and challenging industrial environments, it features easily serviceable fans and filters to keep the system fully operational 24/7. The series offers our highest level of BOM control in a 4U form factor, making it an ideal solution for industries such as energy where platform consistency and increased I/O capabilities are essential.

Each model incorporates robust industrial-grade components designed for 24/7 operation and is backed by extended platform longevity. To ensure exact customer requirements are met, we offer customisation services such as chassis colour modification and branding.



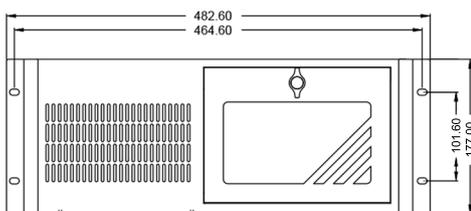
## SPECIFICATIONS

IC-445-G	Chassis Specification
<b>Key Features</b>	Lockable door Card retaining bracket Custom branding (low MOQ)
<b>Disks</b>	3 x 5.25" External bay 1 x 3.5" External drive bay
<b>Input Voltage</b>	AC 90~264V
<b>Input Frequency</b>	50 / 60 Hz
<b>PSU</b>	400W 80+ Gold (redundant option available)
<b>Fans</b>	2 x 92mm Fan

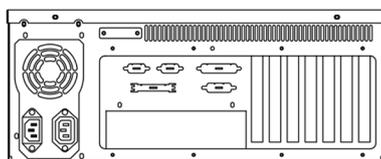
IC-445-G	Chassis Specification
<b>Width &amp; Mounting</b>	19" Rackmount (optional sliding rails)
<b>Dimensions</b>	427 x 177 x 451 (mm)
<b>Weight</b>	16.5kg (gross)
<b>Storage Temperature</b>	-20°C to 70°C
<b>Expansion Slots</b>	Up to 7 full height (varies with motherboard)
<b>Storage</b>	Up to 3 x 3.5" or 6 x 2.5" (with optional adapters)
<b>Ingress</b>	Washable inlet air filter
<b>Certification</b>	CE, RoHS

IC-445-G	Motherboard Specification		
	IC-445-GG	IC-445-GS	IC-445-GB
<b>CPU</b>	Intel Celeron G3900, Intel Core i3-6100, Intel Core i5-6500, Intel Core i7-6700, Intel Celeron G3930, Intel Core i3-7101E, Intel Core i5-7500, Intel Core i7-7700		
<b>Chipset</b>	Intel Q170	Intel H110	Intel B150
<b>Memory</b>	4 x DDR4 2400MHz (2133MHz with 6th Gen CPU) UDIMM (up to 64GB)	2 x DDR4 2400MHz (2133MHz with 6th Gen CPU) UDIMM (up to 32GB)	
<b>Graphics</b>	Intel HD graphics with multi-display support (graphics vary depending on CPU, add-in graphics cards supported)		
<b>LAN</b>	1 x Intel I210 / 1 x Intel I219LM	1 x Intel I219LM	1 x Realtek RTL8111G
<b>Expansion</b>	1 x PCIe x16 (PCIe 3.0 support) 1 x PCIe x1, 1 x PCIe x8, 1 x PCIe x4, 3 x PCI	1 x PCIe x16 (PCIe 3.0 support) 1 x PCIe x1, 1 x PCIe x4, 3 x PCI	1 x PCIe x16 (PCIe 3.0 support) 2 x PCIe x1
<b>Display</b>	1 x VGA, 3 x DisplayPort		1 x DVI-D, 2 x DisplayPort
<b>Rear I/O</b>	2 x RS232/422/485, 4 x USB 3.0 2 x LAN, Audio, PS/2 Combo	1 x RS232, 1 x RS232/422/485 4 x USB 3.0, 1 x LAN, PS/2 Combo	4 x USB 2.0, 2 x USB 3.0, 1 x LAN PS/2 Mouse, PS/2 Keyboard
<b>Internal Connectors</b>	2 x USB 3.0, 6 x USB 2.0, 4 x RS232 6 x SATA 3.0, 1 x mSATA, 1 x mPCIe 1 x Parallel, 8 x GPI + 8 x GPO	6 x USB 2.0, 2 x RS232 4 x SATA 3.0, 1 x mSATA 1 x Parallel, 8 x GPI + 8 x GPO	2 x USB 3.0, 4 x USB 2.0 1 x RS232, 4 x SATA 3.0
<b>Storage</b>	1 x mSATA, 6 x SATA (RAID 0,1,5,10)	1 x mSATA, 4 x SATA	4 x SATA
<b>Audio</b>	Mic-in, line-in, line-out		
<b>Operating System</b>	Microsoft Windows 7 / Windows 8 / Windows 10 / Windows Server 20xx / Linux (configuration support optional)		
<b>Operating Temperature</b>	0°C to 60°C		0°C to 40°C
<b>Expected Discontinuance</b>	Q3 2030	Q3 2030	Q1 2019

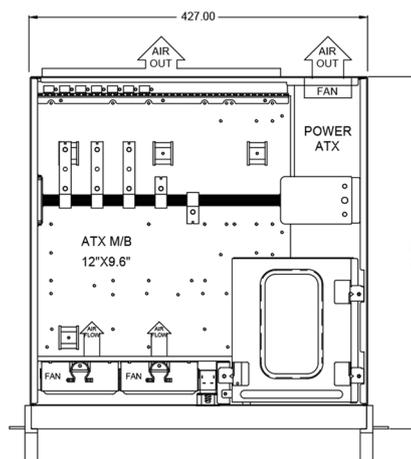
## TECHNICAL DETAILS



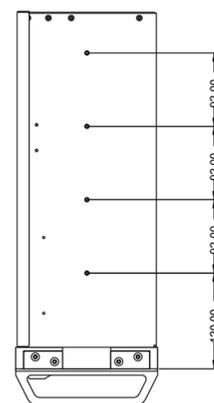
Front Outside View



Rear Outside View



Top View



Side View

E&OE. Captec reserves the right to change specifications without notice.

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