CAPTEC

IC-445-S
4U RACK COMPUTER FOR SECURE APPLICATIONS

KEY BENEFITS

◥ **Latest Intel 7th generation processors deliver increased performance and efficiency**

◥ **Lockable front door to prevent unauthorised access to power switches and I/O**

◥ **Chassis intrusion switch (programmable with G and S motherboards) safeguards the system from undetected interference**

◥ **Removable front fan and filter reduces servicing time and increases product life**

◥ **Isolated drive cages protect internal components from mechanical disk vibration damage**

◥ **Front panel LAN indicators enable network activity monitoring**

◥ **Pedestal or rack orientation delivers versatility in installation**

The new IC-445-S series from Captec is our most expandable off-the-shelf 4U platform.

Supporting a combination of enriched I/O capabilities, a host of chassis security features and large internal capacity for storage drives, the IC-445-S series is ideally positioned to perform research and data-centric applications where secure storage and I/O are key.

Each model incorporates robust industrial-grade components designed for 24/7 operation and is backed by extended platform longevity.
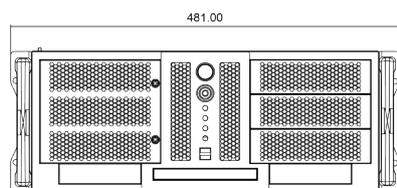
SPECIFICATIONS

IC-445-S	Chassis Specification
Key Features	Chassis intrusion switch Lockable door Cushioned HDD cages
Disks	3 x 5.25" External bay 1 x 3.5" External drive bay 4 x 3.5" Internal drive bays Slim DVD drive bay
Input Voltage	AC 90~264V
Input Frequency	50 / 60 Hz
PSU	400W 80+ Gold (redundant option available)
Fans	1 x 120mm Fan (2 x 80mm optional)

IC-445-S	Chassis Specification
Width & Mounting	19" Rackmount (optional sliding rails) Pedestal (tower) or rack orientation
Dimensions	430 x 176 x 445 (mm)
Weight	12.3kg (gross)
Storage Temperature	-20°C to 70°C
Expansion Slots	Up to 7 full height (varies with motherboard)
Storage	Up to 4 x 3.5" or 8 x 2.5" (with optional adapters)
Ingress	Washable inlet air filter
Certification	CE

IC-445-S	Motherboard Specification		
	IC-445-SG	**IC-445-SS**	**IC-445-SB**
CPU	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		
Chipset	Intel Q170	Intel H110	Intel B150
Memory	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)	
Graphics	Intel HD graphics with multi-display support (graphics vary depending on CPU, add-in graphics cards supported)		
LAN	1 x Intel I210 / 1 x Intel I219LM	1 x Intel I219LM	1 x Realtek RTL8111G
Expansion	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
Display	1 x VGA, 3 x DisplayPort		1 x DVI-D, 2 x DisplayPort
Rear I/O	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
Internal Connectors	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
Storage	1 x mSATA, 6 x SATA (RAID 0,1,5,10)	1 x mSATA, 4 x SATA	4 x SATA
Audio	Mic-in, line-in, line-out		
Operating System	Microsoft Windows 7 / Windows 8 / Windows 10 / Windows Server 20xx / Linux (configuration support optional)		
Operating Temperature	0°C to 60°C		0°C to 40°C
Expected Discontinuance	Q3 2030	Q3 2030	Q1 2019

TECHNICAL DETAILS

481.00

Front Outside View

464.60 / 101.60

Rear Outside View

430.00

Top View

447.60 / 176.00
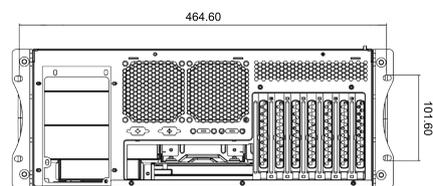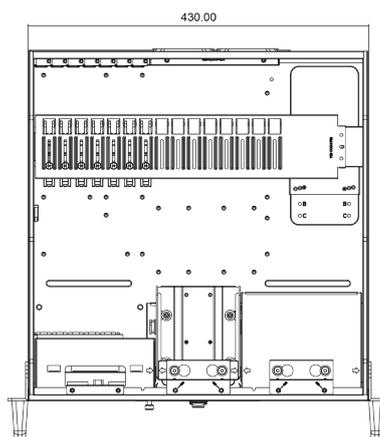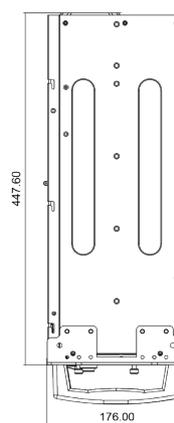
Side View

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