

QBS-441

Multi-Node GPU Server

Features

- High-performance, high density image generation, powered by Intel Xeon/Core processors and NVIDIA RTX/Quadro graphics cards
- Synchronisation options power multiple displays as a combined large format, free of artifacts and timing issues
- Robust and reliable with an improved thermal profile
- Combines four systems into one 4U chassis, lowering demand on rack space
- Shared system architecture provides more cost-effective performance



Overview

The QBS-44 provides four Image Generation (IG) systems in one 4U enclosure. Captec's unique system design maximises the potential for Intel Xeon and Core CPUs, as well as NVIDIA RTX/Quadro GPUs offering the same performance as four individual IG systems while saving on space, weight and reducing maintenance and repair time. The option of an integrated Quadro Sync card enables the independent graphic card outputs to be used for multiple displays to form large-format, perfectly synchronised displays.

Specifications

QBS-441	Each system includes 4 x IG nodes. Each node includes:	QBS-441	Each system includes 4 x IG nodes. Each node includes:
CPU	Gold module: Intel i9-10900E 2.8 GHz (4.7 GHz Turbo, 10C/20T) Silver module: Intel i7-10700 2.9 GHz (4.8 GHz Turbo, 8C/16T) Bronze module: Intel i5-10400 2.9 GHz (4.3 GHz Turbo, 6C/12T)	Dimensions	427mm W x 177.8mm H x 676.3mm D (Excluding mounting handles / earth stud)
Chipset	Intel H420E or Q470E (RAID Option)	Weight	approx. 29kg subject to final graphics configuration
Memory	Up to 64GB DDR4 2933 MHz	Operating Temperature	0°C - 35°C
Disks	1 x 2.5" or 2 x 2.5" Removable SDD (In a bank of 8 bays for the system) 1 x M.2 NVMe	Storage Temperature	-40°C - 85°C
Graphics	NVIDIA RTX or Quadro Graphics	Ordering Information	Gold Module : H420E / Q470E, Intel i9-10900E, 16GB DDR4, 1TB SSD, Windows 10 IoT 64-bit
LAN	1 x 1Gb LAN, 1 x 2.5Gb LAN		Silver Module : H420E / Q470E, Intel Core i7-10700, 16GB DDR4, 1TB SSD, Windows 10 IoT 64-bit
I/O	2 x USB 2.0, 3 x USB 3.2		Bronze Module : H420E / Q470E, Intel Core i5-10400, 8GB DDR4, 1TB SSD, Windows 10 IoT 64-bit
Video	2 x Display Port 1.2 (Onboard) + Expansion from discrete GPU		
Audio	Realtek ALC887/RLC897 HD - 1 x Line Out, 1 x Mic-In	Options	Quadro Sync card
Operating System	Windows 10/11 IoT	Certification	UKCA/CE
Input Voltage	110-230VAC, 50/60Hz		
Width/Mounting	19"		



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