

MN-01

Multi-Node GPU Server

Key Benefits

- High-performance, high density image generation, powered by Intel® Xeon/Core processors and NVIDIA RTX/Quadro graphics cards
- Synchronization 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

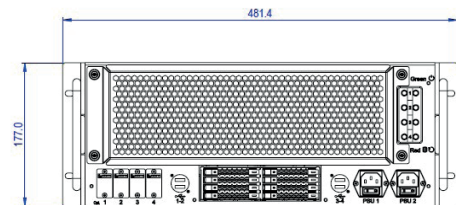
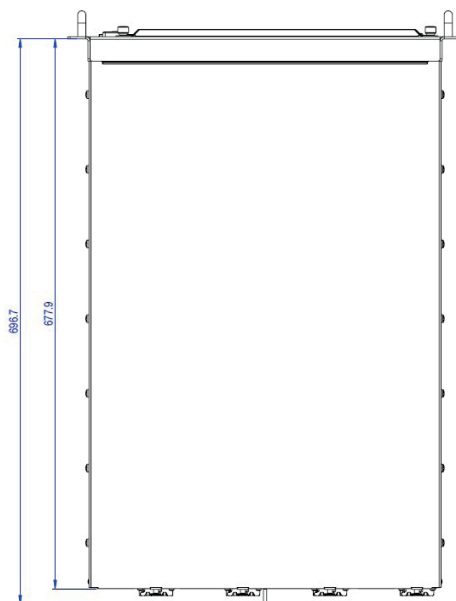
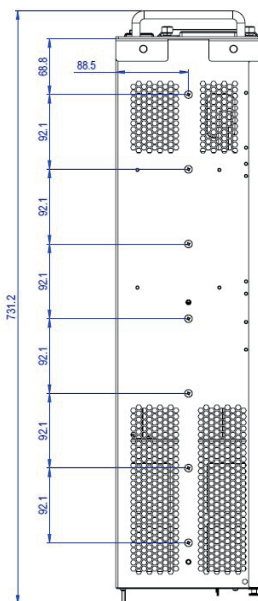


Overview

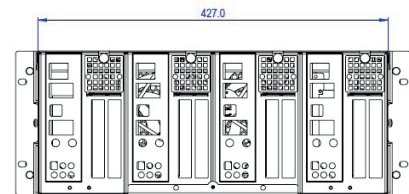
The MN-01 provides four Image Generation (IG) systems in one 4U enclosure. Captec's unique system design maximizes the potential for Intel® Xeon and Core CPUs, as well as NVIDIA RTX/Quadro GPUs offering the same performance as four individual IG systems while saving on space, weight and reducing maintenance 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 synchronized displays.

Specifications

MN-01	Each system includes 4 x IG nodes. Each node includes:	MN-01	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"		



FRONT VIEW



REAR VIEW

CAPTEC

Delivering end-to-end, like no one else.
Bring us your challenge & experience the difference.

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