DG-X4 Series Video Wall Controller
Advanced Graphics Display Technology
19" 4U Industrial Server

POWERFUL

DG-X4 is a video wall controller designed for video wall and multi-screen display installations that require a balanced number of HD video captures and HD video outputs.
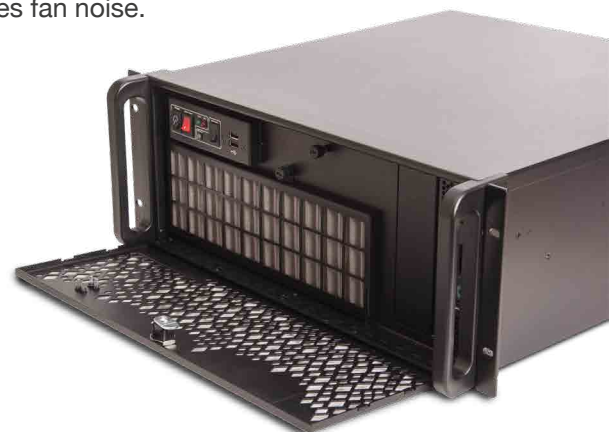
The DG-X4 series has been developed and optimised to operate with the latest generation of world leading PCI Express graphics and video capture cards providing flexible solutions throughout the professional AV industry.

Each system DG-X is available with Windows 10 to ensure the highest performance available.

EXCELLENT PROCESSING

The DG-X4 is an industrial server incorporating an 4 slot PCIe backplane. The switched fabric technology provides high bandwidth Gen3 PCIe slots. Each slot is capable of delivering high resolution bandwidth from a range of capture cards to multiple outputs.

The DG-X range is highly customisable. Systems contain either a 4th generation Intel® Corei5 Haswell or Corei7 processor. Systems are available with 2x 240GB SSD drives and up to 16GB of memory. In order to maximise airflow, the 4U chassis has been custom designed to allow more air into the system. This keeps temperatures low and reduces fan noise.

4Diamond Grid

DG-X4 Series
Specifications

DG-X SYSTEMS

The DG-X systems are available with Windows 10 in the following variants:

1. DG-X4K5 - 4 slot system 600W RPSU with an Intel® Corei5 processor, 16GB of RAM and dual 240GB SSD drives.

2. DG-X4K5 ATX - 4 slot system 500W ATX with an Intel® Corei5 processor, 16GB of RAM and dual 240GB SSD drives.

3. DG-X4K7 - 4 slot system 600W RPSU with an Intel® Corei7 processor, 16GB of RAM and dual 240GB SSD drives.

4DIAMOND GRID 10

DG-X4 system is compatible with D-Wall and 4Diamond Grid 10 software. Both applications allows users to quickly and easily place video sources an where on the video wall. Common arrangements can be saved as layouts for recall at any time and any section of the wall can contain "carousels" of videos playing one after the other at definable intervals.

Administrators of 4Diamond Grid 10 are able to configure a single system to drive multiple walls. Each of these walls can be assigned a number of user roles, and each user role can allow different access to sources, local videos, layouts and templates.*

MODELS AVAILABLE

Order Codes:

DG-X4K5

DG-X4K5 ATX

DG-X4K7

* Multiwall and User Rights Management are only available with 4Diamond Grid 10 PRO

SPECIFICATION

MOTHERBOARD	
DG-X4K5 (ATX)	ASUS ATX Haswell i5
DG-X4K7	ASUS ATX Haswell i7
Processor	
DG-X4K5 (ATX)	Intel® Core i5 Haswell, Clock speed 3.1 GHz. 8MB cache
DG-X4K7	Intel® Core i7 Haswell, Clock speed 3.9 GHz. 8MB cache
Memory	
DG-X4K5 (ATX)	16GB
DG-X4K7	16GB
Ethernet	Dual 10Base-T/ 100Base-TX/ 1000 BaseT
On-board Graphics	HDMI & DisplayPort for control screen
RS232	For control
DISK STORAGE	
SSD	2 x 240GB SSD
HDD	(Optional HDD 1TB, RAID 1)
CONNECTIVITY	
USB	2 x 3.0 (back panel) 6 x 2.0 (2 front, 2 back, 2 internal)
OPERATING SYSTEM	
	Windows 10 LTSB
	Windows 7 (optional)
BACKPLANE	
Features	3rd generation PCIe switched fabric
	Four 8 lane slots (x8) - 8 GB/s uplink and downlink
POWER	500 Watt ATX (DG-X4K5 ATX only) 600 Watt RPSU Dual Redundant
ENVIRONMENT	
Operating temp	0 to 35 °C (32 to 95 °F)
Storage temp	-20 to 70 °C (-4 to 158 °F)
Relative Humidity	5% to 90% non-condensing
Noise	48.6dB (A) up to 67.9dB (A) Dependent on system config & ambient temp
DIMENSIONS	
Size	500mm(l) x 175mm(h) x 482.1mm(w)
Weight	19 - 25kg (Shipped 30-33kg)