



DG-X11/DG-X9 Series Video Wall Controller

Advanced Graphics Display Technology
19" 4U Industrial Server

POWERFUL

DG-X series video wall controller has been designed for large video wall installations and control rooms. Suitable for operation centres, critical facilities, process control services, boardrooms, universities and hospitals the DG-X offers the perfect balance between video capture and image display. Providing seamless compatibility with world class Vision capture, Image graphics and ActiveSQX decoding cards, this allows physical and IP video sources to be displayed on medium and large scale video walls. Operators have the freedom to see any source on single screen or multiple screen layouts.

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

EXCELLENT PROCESSING

The DG-X11K series is an industrial server incorporating an 11 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 7th generation Intel® Core i7 up to high performance dual E5 Xeon processor. Systems are available with either 240GB or 480GB SSD drives and up to 128GB 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.



DG-X11/DG-X9 Series

Specifications

DG-X SYSTEMS

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

1. DG-X9K7 / DG-X11K7 - 9 or 11 slot system with an Intel® Core i7 processor, 16GB of RAM and dual 240GB SSD drives. The DG-X9K7 is available with ATX or RPSU power options. The DG-X11K7 is RPSU only.

2. DG-X9K8 / DG-X11K8 - 9 or 11 slot system with a single Xeon processor, 32GB of RAM, dual 240GB SSD drives and an RPSU power supply.

3. DG-X11K9 11 slot system with a Dual E5 Xeon processor, 64GB of RAM, dual 240GB SSD drives and an RPSU power supply.

4DIAMOND GRID 10

DG-X system is compatible with D-Wall and 4Diamond Grid 10 software. Both applications allows users to quickly and easily place video sources anywhere on the video wall. Common arrangements can be saved as layouts for recall at any time and any section of the wall can contain "carousel" 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-X9K7 ATX

DG-X9K7

DG-X9K8

DG-X11K7

DG-X11K8

DG-X11K9

Upgrade options are shown in the opposite table.

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



MOTHERBOARD

| | |
|--------------------|------------------------|
| DG-X9K7 / DG-X11K7 | Portwell ROBO8113-Q170 |
| DG-X9K8 / DG-X11K8 | Portwell ROBO8113-C236 |
| DG-X11K9 | Advantech PCE-9228G2 |

| | |
|--------------------|--|
| Processor | |
| DG-X9K7 / DG-X11K7 | 7th generation Intel® Core i7 Clock speed 3.6 GHz. 8MB cache |
| DG-X9K8 / DG-X11K8 | Single E3 Xeon Clock speed 3.6 GHz. 8MB L3 cache |
| DG-X11K9 | Dual E5 Xeon (E5-2618L v3) |

| | |
|--------------------|-----------------------------------|
| Memory | |
| DG-X9K7 / DG-X11K7 | 16GB as standard, optional 32GB |
| DG-X9K8 / DG-X11K8 | 32GB as standard (maximum) |
| DG-X11K9 | 64GB as standard (128GB optional) |

| | |
|----------|---------------------------------------|
| Ethernet | Dual 10Base-T/ 100Base-TX/ 1000 BaseT |
|----------|---------------------------------------|

| | |
|-------------------|--------------------------------|
| On-board Graphics | DVI (VGA for DG-X11K9 only) |
|-------------------|--------------------------------|

| | |
|-------|-------------|
| RS232 | For control |
|-------|-------------|

DISK STORAGE

| | |
|-------------------|---|
| Hot swappable SSD | 2 x 240GB (RAID 1) |
| HDD | Upgrade Option: 2 x 480GB SSD (Optional HDD 1TB) |

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 |
| With | 1 slot x8 - 8GB/s uplink and downlink |
| | 8 slot x4 - 4GB/s uplink and downlink |
| or | 11 slot x8 - 8GB/s uplink and downlink |

| | |
|-------|--|
| POWER | 600 Watt ATX (DG-X9K7 only) 800 Watt Hot Swappable 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 |