VSN 9 & 11 series

Video wall controller solutions

POWERFUL WALL CONTROLLER

Datapath's nine and eleven slot video wall controllers have been designed for environments that demand high performance and reliability. The VSN 9 and 11 series systems provide solutions for mission control rooms, defence installations, logistic operations, security suites and many other command and control applications.

The VSN range has been developed to support Datapath's 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 system in the range of VSNs is available with Windows® 10 to ensure the highest performance available.

EXCELLENT INTEL® PROCESSING

The VSN range of industrial PCs include either a nine or 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 VSN range is highly customisable. Systems are available with a 7th generation Intel® Core i7, single E3 Xeon, or high performance dual E5 Xeon processors.

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.
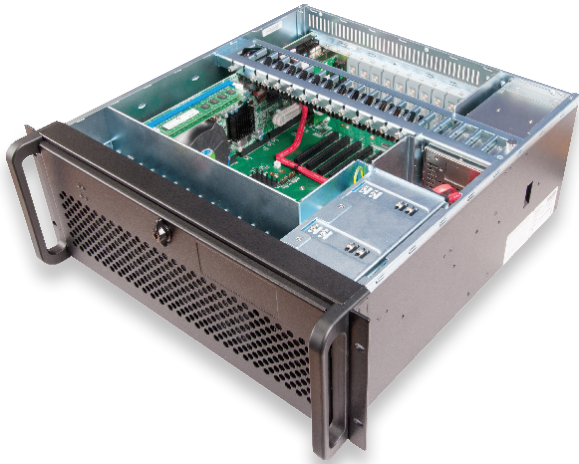
Engineering the **world's best** visual solutions

DATAPATH
EXCELLENCE BY DESIGN

Advanced graphics display technology

VSN SYSTEMS

The VSN systems are available with Windows 10 in the following variants:

1. VSN972 / 1172 - nine or 11 slot system with an Intel® Core i7 processor, 32GB of RAM and dual 240GB SSD drives. The VSN972 is available with ATX or RPSU power options. The VSN1172 is RPSU only.

2. VSN982 / 1182 - nine or 11 slot system with a single Xeon processor, 32GB of RAM, dual 240GB SSD drives and an RPSU power supply.

3. VSN1192 - 11 slot system with dual Xeon processors, 64GB of RAM, dual 240GB SSD drives and an RPSU power supply.

RELIABILITY

Datapath's VSN video wall controllers have been designed for use in demanding control room environments. Each component has been rigorously tested to ensure high levels of performance and reliability. For added peace of mind, systems can be pre-installed with Wall Monitor software.

Wall Monitor is an application that warns operators if a system begins to function outside of normal parameters. Alarms can be set to indicate changes in voltage and temperature.

COMPATIBILITY

The Datapath VSN 9 and 11 series wall controllers are compatible with Windows 10 LTSC operating system[2].

MODELS AVAILABLE

Order Code: VSN972-ATX

Order Code: VSN972-RPSU

Order Code: VSN982-RPSU

Order Code: VSN1172-RPSU

Order Code: VSN1182-RPSU

Order Code: VSN1192-RPSU

Upgrade options are shown in the below table.

SPECIFICATION

MOTHERBOARD
VSN972 / 1172
Portwell ROBO8113-Q170
VSN982 / 1182
Portwell ROBO8113-C236
VSN1192
Advantech PCE-9228G2

PROCESSOR
VSN972 / 1172
7th generation Intel® Core i7 Clock speed 3.6 GHz. 8MB cache
VSN982 / 1182
Single E3 Xeon
Clock speed 3.6 GHz. 8MB L3 cache
VSN1192
Dual E5 Xeonn (E5-2618L v3)

MEMORY
VSN 972 / 1172 / 982 / 1182
32GB (Maximum)
VSN 1192
64GB (128GB Optional Upgrade)
Ethernet
Dual 10Base-T/ 100Base-TX/ 1000BaseT
On-board Graphics
DVI for VSN972/1172 and VSN982/1182
VGA for VSN1192
RS232
For control

DISK STORAGE
Hot swappable SSD
2 x 240GB (RAID 1)
Upgrade option: 2 x 480GB SSD

CONNECTIVITY
USB
2 x 3.0 (back panel)
6 x 2.0 (2 front, 2 back, 2 internal[1]

BACKPLANE
Features
3rd generation PCIe switched fabric **with**
1 slot x8 - 8GB/s uplink and downlink 8 slot x4 - 4GB/s uplink and downlink[3] **or**
11 slot x8 - 8GB/s uplink and downlink

POWER
VSN972
ATX 500W, 100-240V~, 50/60Hz
VSN972/982
RPSU 600W, 100-240V~, 50/60Hz
VSN1172/1182/1192
RPSU 800W, 100-240V~, 50/60Hz

OPERATING TEMPERATURE
0 °C to 35 °C / 32 °F to 95 °F

STORAGE TEMPERATURE
-20 °C to 70 °C / -4 °F 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
19kg - 25kg (shipped 30kg - 33kg)

COMPLIANCE
CE / FCC / RoHS / UL

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[1] Internal ports for security dongles.

[2] Datapath systems are not compatible with Windows 10 Home edition.

All products are shipped with the latest software versions, unless stated otherwise. The specification stated is a minimum only. Higher specification systems may be provided without prior notice. Special requirements may be organised by contacting our Sales team.

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