

Video Wall Controller Solutions

Advanced Graphics Display Technology



+ POWERFUL WALL CONTROLLER

Datapath's 2nd generation of nine and 11 slot video wall controllers have been designed for environments that demand high performance and reliability. The VSN 9 Series and 11 Series systems provide solutions for mission control rooms, military 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 ActiveSOX 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 2nd generation 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.

+ 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, 16GB 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.

+ SPECIFICATION

MOTHERBOARD

VSN972 / 1172	Portwell ROBO8113-Q170
VSN982 / 1182	Portwell ROBO8113-C236
VSN 1192	Advantech PCE-g228G2
Processor	
VSN972/1172:	7th generation Intel® Core i7 (i7-7700)
VSN982/1182:	Single E3 Xeon (E3-1275 v6)
VSN1192	Dual E5 Xeon (E5-2618L v3)
Memory	
VSN972/1172	16GB (32GB optional upgrade)
VSN982 / 1182	32GB (maximum available)
VSN1192	64GB (128GB optional upgrade)

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

USB	2 x 3.0 (back panel) 6 x 2.0 (2 front, 2 back, 2 internal*)
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OPERATING SYSTEM

Windows 10 LTSP²

BACKPLANE

Features with	3rd generation PCIe switched fabric 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

VSN972:	500 Watt ATX
VSN972 / 982:	600 Watt Hot swappable RPSU
VSN1172:	800 Watt Hot swappable RPSU
VSN1182:	800 Watt Hot swappable RPSU
VSN1192:	800 Watt Hot swappable RPSU

ENVIRONMENT

Operating temp	0 to 35 degC (32 to 95 °F)
Storage temp	-20 to 70 degC (-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)

COMPLIANCE	CE/ ROHS/ UL
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+ MODELS AVAILABLE

ORDER CODES:

VSN972-ATX
VSN972-RPSU
VSN982-RPSU
VSN1172-RPSU
VSN1182-RPSU
VSN1192-RPSU

UPGRADE OPTIONS ARE SHOWN IN THE
OPPOSITE TABLE.

All products are shipped with the latest software available, unless stated otherwise. Special requirements may be organised by contacting our Sales team.

³ *Internal ports for security dongles.*

³ *Datapath systems are not compatible with Windows 10 Home edition.*