

XtremeIPC-VSN-Gen2

Video Wall Controller Solutions

Advanced Graphics Display Technology



+ POWERFUL WALL CONTROLLER

EMS's 2nd generation of 9 and 11 slot video wall controllers have been designed for environments that demand high performance and reliability. The VSN900 and 1100 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 EMS's video capture card range, 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 9 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 contain either a 7th generation Intel® Corei7 or a high performance single Xeon processor.

Systems are available with either 240GB or 480GB SSD drives and up to 32GB 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 - 9 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 - 9 or 11 slot system with a single Xeon processor, 32GB of RAM, dual 240GB SSD drives and an RPSU power supply.

+ RELIABILITY

EMS'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 piece 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.

+ MODELS AVAILABLE

Order Codes: XtremeIPC-
 VSN972-ATX
 VSN972-RPSU
 VSN982-RPSU
 VSN1172-RPSU
 VSN1182-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.

**Internal ports for security dongles.*

+ SPECIFICATION

MOTHERBOARD

VSN972 / 1172 Portwell ROBO8113-Q170

VSN982 / 1182 Portwell ROBO8113-C236

Processor **VSN972/1172:**
 Latest generation Intel® Core i7
 Clock speed 3.6 GHz. 8MB cache
VSN982/1182:
 Single E3 Xeon
 Clock speed 3.6 GHz. 8MB L3 Cache

Memory VSN972/1172 16GB as standard, 32GB available on request
 VSN982 / 1182 32GB as standard (maximum available)

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
 Upgrade Option: 2 x 480GB SSD

CONNECTIVITY

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

OPERATING SYSTEM

Windows 10 LTSB

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 600 Watt ATX (VSN972 only)
 800 Watt RPSU Dual Redundant

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

FCC/ CE/ ROHS/ UL/CCC

