



Application Note

Selecting a Hardware Platform

For

DVP/DVG Software

Scope

This application note document outlines the recommended server specifications for installing the DVP or DVG software.

General Requirements

VideoFlow DVP and DVG software can run on any off-the-shelf hardware platform. You can install the DVP or DVG software as either ISO, virtual machine, a Docker container.

The following requirements are common to all hardware platform selection:

- CPU – Intel X86 CPU
- Memory – Minimum 4GB DDR.
- Storage – Minimum 16GB.
- Intel NICs – Minimum 2 ports.
- GPU acceleration (*recommended*) – Intel HD600 or higher.
- VGA port – Recommended
- IPMI for remote access – Recommended



NOTE

Recommended Intel NIC families: i210, i350, X710, 82574L, 82583

Selecting the Hardware Platform

The CPU power and memory size determine the hardware platform's maximum protected bit rate / max number of streams, max number of stream gate, and max number tunnels.

The following table outlines the recommended parameters given the max protected bit rate / stream gates.

Performance	CPU/Speed/Cores/Threads	Memory	GPU Acceleration
100 Mb/s, 64x SGs, 16x Streams, 16x Tunnels	G5400 / 3.70 GHz / 2 / 4	4 GB	YES
200 Mb/s, 256x SGs, 64x Streams, 64x Tunnels	E-2124G / 3.40-4.50 GHz / 4 / 4	4 GB	YES
500 Mb/s, 512x SGs, 128x Streams, 128x Tunnels	E-2126G / 3.30-4.50 GHz / 6 / 6	4 GB	YES
1.2 Gb/s, 800x SGs, 200x Streams, 200x Tunnels	E-2146G / 3.50-4.50 GHz / 6 / 12	8 GB	YES
2.4 Gb/s, 800x SGs, 200x Streams, 200x Tunnels	E-2176G / 3.70-4.70 GHz / 6 / 12	8 GB	YES
3.2 Gb/s, 800x SGs, 200x Streams, 200x Tunnels	E-2278G / 3.40-5.00 GHz / 8 / 16	8 GB	YES



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