

▶ PCIE-2SG1  
DUAL SERVER  
GPU CARD

TRANSCODE UP TO  
8 UHD/4K HEVC 60FPS  
40 FULL HD AVC 30FPS  
STREAM PER CARD\*

HIGH THROUGHPUT  
GEN4 PCIE INTERFACE  
TO HOST PROCESSOR

2 X SG1 INTEL GPUS  
PER CARD  
WITH 8GB DDR4X EACH

EXTENSIVE  
CODEC SUPPORT  
MPEG-2, AVC, HEVC, VP9  
4K / 8K HEVC 10-BIT



## PCIE-2SG1

### NEXT GENERATION DUAL SG1 SERVER GPU ACCELERATOR CARD

- ▶ Latest generation Intel Server GPU providing unparalleled feature set for video transcoding
- ▶ High quality CODEC with Interlaced video support
- ▶ Decrease the cost per stream, increase the density, reduce power footprint
- ▶ Open source software infrastructure includes Media SDK and FFmpeg framework

\* Cf Intel benchmarks

POSSIBILITIES START HERE



## LATEST GENERATION GPU PROVIDING FOR VIDEO TRANSCODING

- ▶ Insatiable demand for video puts a tremendous pressure on TV delivery infrastructure. The PCIe-25G1 addresses density and power challenges, and further reduce Total Cost of Ownership. It is optimized for video transcoding applications and provides flexibility to further optimize software and create differentiated products.



### ▶ TECHNICAL INFORMATION

|                              |  |
|------------------------------|--|
| <b>GRAPHIC PROCESSOR</b>     | 2x Intel SG1 Server GPU  |
| <b>CPU MEMORY</b>            | 8GB LPDDR4 per GPU, 16GB total   |
| <b>SYSTEM INTERFACE</b>      | PCIe Gen4 x16 (Bifurcation required to Dual x8)  |
| <b>BOARD SIZE</b>            | Half Height, Half Length, Low Profile Single Width   |
| <b>MOUNTING</b>              | Standard PCIe Interface card<br>Standard and low profile front brackets supplied                       |
| <b>POWER</b>                 | < 65W, no need for external power  |
| <b>COOLING</b>               | Passive cooling  |
| <b>EMC</b>                   | FCC Part 15 Class A<br>ETSI EN 300 386   |
| <b>REGULATORY</b>            | IEC 62368-1, UL 62368-1, CSA C22.2 NO. 62368, CE mark  |
| <b>OPERATING TEMPERATURE</b> | Operating Temperature: 0°C and 45°C, at card intake, based on system airflow<br>Storage: -40°C and 70° |
| <b>RELIABILITY</b>           | Designed for 24/7 Operation  |
| <b>MTBF</b>                  | 931,489 hours @30 deg. C   |
| <b>RoHS COMPLIANT</b>        | Yes  |
| <b>VERIFIED OS</b>           | CentOS 7.4, CentOS 8.2, Debian 10.4, Ubuntu 20.04  |
| <b>SOFTWARE SUPPORT</b>      | Open Source Intel Media SDK, Ffmpeg<br>Available on GitHub   |
| <b>AVAILABILITY</b>          | Long Life Availability until Jan-2026  |

### ▶ ORDERING INFORMATION

| ARTICLE    | DESCRIPTION   |
|------------|---|
| PCI-E-25G1 | 2x SG1 Intel Server GPU card with 8GB DDR4 each<br>Half Height, Half Length, Low Profile Single Width<br>Standard and Low Profile brackets included |

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