

# VEGA-7030

## 1U High Density Media Server for Accelerated Video Processing



### Features

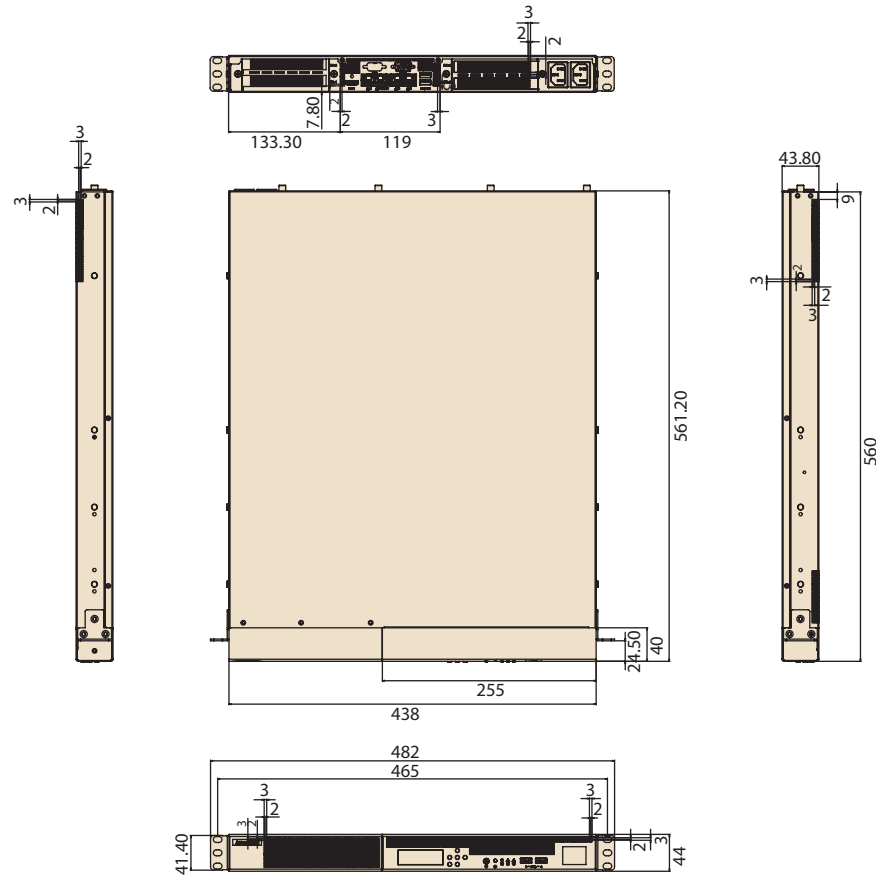
- Short Depth 1RU x 19" Server Platform
- Intel 14th Raptor Lake-S Refresh Desktop Processor with Intel UHD Graphic Functionality and Intel Quick Sync Video Support
- Four PCI Express Card Slots for I/O and Accelerators
- Four Gigabit Ethernet Network Ports
- Front Panel LCD Display, Keypad, and Confidence Monitor
- Flexible storage options
- Redundant Power Supplies

### Introduction

The VEGA-7030 is a highly configurable, 1U, short-depth video applications server based on the Intel 14th Core family of desktop processors (also known as Raptor Lake-S Refresh). Supporting up to 24 CPU cores with on-board Intel UHD Graphics and Quick Sync Video functionality, the VEGA-7030 offers plenty of processing power for many software video workflows while its class-leading four PCI Express slots provide high flexibility to fit a wide range of video accelerators or video I/O cards such as the Advantech VEGA 4K and 8K encoding cards. VEGA-7030 is ready for integration into streaming networks with three 2.5Gigabit and one Gigabit Ethernet connections and can support latest generation protocols like SRT. It has the look and feel of an appliance with user-programmable front panel LCD and keypad and a small OLED confidence monitor for video display, but inside this is a reliable server architecture with dual redundant 550W power, dual NVMe storages, and options for BMC-based remote management and secure TPM feature. The short depth, high temperature operation makes VEGA-7030 especially suitable for video edge or field installations as well as equipment cabinets. VEGA-7030 can be supplied as an application ready platform with a range of accelerator options from 4K or 8K 4:2:2 HEVC capture and encode cards to high performance FPGA and multi-channel transcoders with Linux and Windows software packages that streamline product development and shortens time-to-market for the latest generation of OEM video requirements.

### Specifications

|                          |                                              |                                                                                          |
|--------------------------|----------------------------------------------|------------------------------------------------------------------------------------------|
| System type              | 1U Media Server With Appliance Look and Feel |                                                                                          |
| Processor System         | CPU Type                                     | Intel® 14th Generation Core™ i3/i5/i7/i9 (TDP up to 65W)                                 |
|                          | Socket Reference                             | FCLGA1700 (Raptor Lake-S Refresh)                                                        |
|                          | Intel PCH chipset                            | W680                                                                                     |
| Graphics                 | Embedded Controller                          | Intel UHD Graphics 770                                                                   |
| Memory                   | Memory channels                              | 2 channels DDR5 ECC/Non-ECC Up to 5600 MHz DIMM                                          |
|                          | Max. Capacity                                | 64GB (2 x 32GB)                                                                          |
| Storage                  | M.2 NVME                                     | 2 x M.2 2280                                                                             |
|                          | 2.5 SATA                                     | 2 x 2.5" SSD (optional)                                                                  |
| Physical Characteristics | Rackmount/Tabletop/Others                    | 1U Rackmount                                                                             |
|                          | Height x Width x Depth                       | 44 x 438 x 560 mm                                                                        |
| Power Supply             | System PSU                                   | Redundant AC/550W                                                                        |
| PCIe Expansion Slots     | PCIe slot qty for Add on card                | 2 x PCIe Gen 4 x8 FH/FL (x8 + x8 physical) or 1 x PCIe Gen 3 x16 FH/FL (optional)        |
|                          |                                              | 2 x PCIe Gen 3 x4 FH/HL (x8 + x8 physical)                                               |
| Networking               | Interface                                    | 10/100/1000/2500 Mbps                                                                    |
|                          | Controller                                   | GbE LAN2: Intel® I210; 2.5GbE LAN 1,3,4: Intel I226LM                                    |
|                          | Connector                                    | RJ-45 x 4                                                                                |
| Front I/O Interface      | USB                                          | 2 x USB3.2 GEN1 ports                                                                    |
|                          | LCM                                          | 1                                                                                        |
|                          | OLED                                         | 1                                                                                        |
|                          | LED                                          | 3 x LEDs (Power, HW Fault, Alarm)                                                        |
| Rear I/O Interface       | GbE RJ-45                                    | 3 x 2.5GbE ports, 1 x GbE port                                                           |
|                          | HDMI Port                                    | 1 x HDMI 2.0 (Resolution up to 4096 x 2160 @ 60 Hz)                                      |
|                          | Serial port                                  | 1 x DB9 in rear side                                                                     |
|                          | USB                                          | 2 x USB3.2 GEN2 ports                                                                    |
| Security                 | TPM                                          | TPM2.0                                                                                   |
| System Management        | BMC                                          | Aspeed AST2600 BMC (Optional)                                                            |
| Environment              | Relative Humidity                            | Operating, 95% RH @ 40°C, non-condensing<br>Non-operating, 95% RH @ 60°C, non-condensing |
|                          | Storage Temperature                          | -20 to 70 °C                                                                             |
|                          | RoHS6 Compliant                              | RoHS 5/6                                                                                 |
|                          | Operation Temperature                        | 0 to 45 °C                                                                               |



| Part Number     | Description                                          |
|-----------------|------------------------------------------------------|
| VEGA-7030-0A00E | VEGA-7030 Raptor Lake-S Refresh 2-PSU STD BMC Server |

# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.