



BUSINESS & PRODUCTIVITY

VenturePro 16 AI A1V

VENTUREPRO 16 AI A1VEG-036XPHCP

Specification

CPU	Intel® Core™ Ultra 7 processor 155H with Intel® AI Boost (NPU) 16 cores (6 P-cores + 8 E-cores + 2 Low Power E-cores), 22 threads, 24 MB Intel® Smart Cache, Max Turbo Frequency 4.8 GHz
Operating Systems	Free Dos
Display	16" 2K (2048 x 1280), 120Hz Refresh Rate, OLED, 100% DCI-P3(Typical), VESA DisplayHDR™ True Black 600 Certified
Chipset	Integrated SoC
Integrated Graphics	Intel® Arc™ graphics(*Intel® Arc™ graphics requires configuration with 16GB dual-channel memory or above.)
Discrete Graphics	NVIDIA® GeForce RTX™ 4050 Laptop GPU powers advanced AI with 194 AI TOPS Up to 1605MHz Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Power Efficiency
Video Memory	6GB GDDR6
Memory	16GB*2 DDR5-5600 *The actual frequency will vary by memory combination and CPU capability.
Memory Slot and Max Capacity	DDR5-5600, 2 Slots, Max 96GB
Storage	1TB*1 NVMe SSD PCIe Gen4 *Please consult service center for upgrading SSD."
Storage Slot	1x M.2 SSD slot (NVMe PCIe Gen4)
Keyboard	Single Backlit Keyboard (White) with Copilot Key
WebCam	HD type (30fps@720p) with 3D Noise Reduction (3DNR)
Audio	2x 2W Audio Speaker Hi-Res Audio Ready, DTS Audio Processing Spatial Array Microphone (3 Mic)
Audio Port	1x Mic-in/Headphone-out Combo Jack
USB Ports	2x Type-A USB3.2 Gen1 1x Type-C (USB3.2 Gen1 / DisplayPort™ / Power Delivery 3.0)
Video Ports	1x HDMI™ 2.1 (4K @ 60Hz)
LAN	Gigabit Ethernet
Wi-Fi/ Bluetooth	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Security	Firmware Trusted Platform Module(fTPM) 2.0, Webcam Shutter, Kensington Lock
cmsfront_lang_auto_spec.sku_column_group_nb_Adapter	120W Adaptor
Battery	4-Cell 55.2 Whrs
Dimension (WXDXH)	359.3 x 245.25 x 22.15-23.15 mm
Weight (W/ Battery)	1.9 kg
Chassis Color	Solid Gray
Certification	MIL-STD-810H/G
Warranty	3 years limited warranty