EVS 3000

Intel® Core™ 200S Series and 14/13/12th Gen Intel® Core™ Processor
Expandable AI Computing System with MXM Graphics





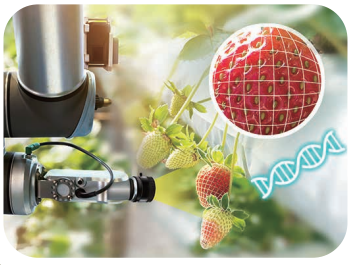
Autonomous Robotic



- Workstation-grade Platform : Intel® Core™ 200S Series and 14/13/12th Gen Intel® Core™ Processor running with Intel® R680E PCH supports max 65W TDP CPU
- Up to 115W NVIDIA® Quadro®/GeForce® MXM graphics card
- 200W power budget for multiple AI computing GPUs
- Up to 2 Front-access M.2 and 2 2.5" SSD Tray; 1 SIM Socket for wireless network
- USB 3.2 Gen 2x2 offers max data transfer speeds of 20Gbps
- DC 9V to 55V wide range power input with Software Ignition Control
- Remote devices Out-of-Band management functions powered by Allxon
- Fanless operation in temperatures from -25°C to 55°C
- Supports Ennoconn SaaS OpAegis, OpPredict

Public Security





Machine Vision

intel partner Gold IoT Solutions

M.2 SSD | SS 20 TYPE C | MXM | 200W | 9V~55V | -25° 55°

Vecow

Specifications

System

Processor	- 24-core Intel® Core™ 200S Series Processor (Bartlett Lake-S) - 24-core Intel® Core™ i9/i7/i5/i3 Processor (14th gen, Raptor Lake-S Refresh) - 24-core 13th Gen Intel® Core™ i9/i7/i5/i3 Processor (Raptor Lake-S) - 16-core 12th Gen Intel® Core™ i9/i7/i5/i3 Processor (Alder Lake-S)
Chipset	Intel® R680E
BIOS	AMI
SIO	IT8786E
Memory	2 DDR5 5600MHz SO-DIMM, up to 96GB (ECC/Non-ECC)
OS	Windows 11, Windows 10, Linux

I/O Interface

Serial	2 COM RS-232/422/485 (ESD 8kV)
USB	- 4 USB 3.2 Gen 2 Type A - 1 USB 3.2 Gen 2x2, USB Type-C supports max 20Gbps data transfer (15W, 5V/3A)
Isolated DIO	32 Isolated DIO : 16 DI, 16 DO
LED	Power, HDD, OOB
SIM Card	1 External SIM Card Socket for 5G/4G/LTE/GPRS/UMTS wireless network

Expansion

PCIe	Please refer to Order Information
M.2	- 1 M.2 Key B Socket (2280/3042/3052, PCIe/USB 3, default/SATA) - 1 M.2 Key E Socket (2230, PCIe/USB)

Graphics

Graphics Processor	Intel® UHD Graphics 770/730 driven by Intel® Xᵉ Architecture
Interface	Up to 7 independent displays : - 2 HDMI 2.1 : Up to 4096 x 2304 @60Hz - 1 DP : Up to 3840 x 2160 @60Hz - 4 DP : Up to 3840 x 2160 @60Hz (By requested MXM)

Storage

SATA	2 SATA III (6Gbps) support S/W RAID 0, 1 with 2 Front-access 2.5" SSD/HDD Tray
M.2	- 1 M.2 Key M Socket (2280, PCIe x4) - 2 Front-access M.2 Key M SSD Tray **(EVS-3400/3300)**

Audio

Audio Codec	Realtek® ALC888S-VD, 7.1 Channel HD Audio
Audio Interface	1 Mic-in, 1 Line-out

Ethernet

LAN 1	Intel® I226 2.5GigE LAN supports TSN
LAN 2	Intel® I226 2.5GigE LAN supports TSN

Power

Power Input	DC 9V to 55V
Power Interface	3-pin Terminal Block : V+, V-, Frame Ground
Ignition Control	16-mode Software Ignition Control
Remote Switch	3-pin Terminal Block

Out-of-Band Management

MCU	Nuvoton NUC980
Interface	OOB LAN, 10/100Mb Ethernet LAN, RJ45 Connector
Remote Management	Support Remote Power ON/OFF, Reset and Power Cycling

Others

TPM	Infineon SLB9670 supports TPM 2.0, SPI Interface
Watchdog Timer	Reset : 1 to 255 sec./min. per step
Smart Mgmt.	Wake on LAN, PXE supported
HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats.
Others	Ennoconn E2354 supports ESaaS OpAegis, OpPredict

Mechanical

Dimensions	Please refer to Order Information
Weight	Please refer to Order Information
Mounting	- Wallmount by mounting bracket - VESA Mount (Optional) - DIN Rail Mount (Optional) - Rackmount (Optional)

Environment

Operating Temperature	- 35W TDP CPU : -25°C to 55°C (-13°F to 131°F) with air flow - 65W TDP CPU : -25°C to 45°C (-13°F to 113°F) with air flow
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @55°C
Shock	- IEC 60068-2-27 - SSD : 50G @wallmount, Half-sine, 11ms - MIL-STD-810G method 514.6, Category 4 **(with PCIe Card)**
Vibration	- IEC 60068-2-64 - SSD : 5Grms, 5Hz to 500Hz, 3 Axis - MIL-STD-810G method 516.6, Procedure I **(with PCIe Card)**
EMC	CE, FCC, ICES, EN50155, EN50121-3-2

Order Information

Model	Graphics MXM TDP	PCIe x8 Gen 4	PCIe x4 Gen 4	M.2 Tray	System Fan	Dimensions	Weight
EVS-3100	60W	1	-	-	-	280 mm x 90 mm x 215 mm (11.02" x 3.54" x 8.46")	5.0 kg (11.02 lb)
EVS-3200		1	1			280 mm x 114 mm x 215 mm (11.02" x 4.49" x 8.46")	5.6 kg (12.35 lb)
EVS-3300		1	2	2		280 mm x 130 mm x 215 mm (11.02" x 5.19" x 8.46")	6.2 kg (13.67 lb)
EVS-3400		1	3			280 mm x 152 mm x 215 mm (11.02" x 5.98" x 8.46")	6.8 kg (14.99 lb)
EVS-3100F	60W to 115W	1	-	-	Y	280 mm x 97 mm x 215 mm (11.02" x 3.82" x 8.46")	5.1 kg (11.24 lb)
EVS-3200F		1	1			280 mm x 121 mm x 215 mm (11.02" x 4.76" x 8.46")	5.7 kg (12.57 lb)
EVS-3300F		1	2	2		280 mm x 137 mm x 215 mm (11.02" x 5.39" x 8.46")	6.3 kg (13.89 lb)
EVS-3400F		1	3			280 mm x 159 mm x 215 mm (11.02" x 6.26" x 8.46")	6.9 kg (15.21 lb)

CPU List

Series	CPU	Cores	GHz	TDP (W)	CPU	Cores	GHz	TDP (W)	ECC
Intel® Core™	9 273PE	12	5.7	65	9 273PTE	12	5.5	45	Y
	7 253PE	10	5.5		7 253PTE	10	5.4		
	5 223PE	8	5.4		5 223PTE	8	5.4		
	7 251E	24	5.6		7 251TE	24	5.4		
	5 221E	14	5.2		5 211TE	14	5.0		
	3 201E	4	4.8	60	3 201TE	4	4.6		
	i9-14900	24	5.8	65	i9-14900T	24	5.5	35	
	i7-14700	20	5.4		i7-14700T	20	5.2		
	i5-14500	14	5		i5-14500T	14	4.8		
	i3-14100	4	4.7		i3-14100T	4	4.4		
	i9-13900E	24	5.2		i9-13900TE	24	5		
	i7-13700E	16	5.1		i7-13700TE	16	4.8		
	i5-13500E	14	4.6		i5-13500TE	14	4.5		
	i3-13100E	4	4.4		i3-13100TE	4	4.1		
	i9-12900E	16	5		i9-12900TE	16	4.8		
	i7-12700E	12	4.8		i7-12700TE	12	4.7		
	i5-12500E	6	4.5		i5-12500TE	6	4.3		
	i3-12100E	4	4.2		i3-12100TE	4	4		

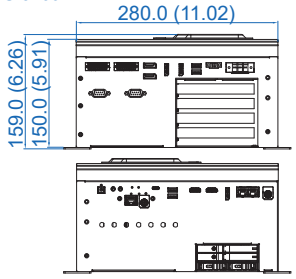
Accessories

DDR5 48G	Certified DDR5 48GB 5600MHz RAM
DDR5 32G	Certified DDR5 32GB 5600/4800MHz RAM
DDR5 24G	Certified DDR5 24GB 5600MHz RAM
DDR5 16G	Certified DDR5 16GB 5600/4800MHz RAM
DDR5 8G	Certified DDR5 8GB 5600/4800MHz RAM
PWA-160WB-WT	160W, 24V, 85V AC to 264V AC Power Adapter with 3-pin Terminal Block (7.62mm pitch), Wide Temperature -30°C to +70°C
PWA-180WB	180W, 24V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block (7.62mm pitch)
PWA-280WB-WT	280W, 24V, 85V AC to 264V AC Power Adapter with 3-pin Terminal Block (7.62mm pitch), Wide Temperature -30°C to +70°C *Recommended when enable turbo mode (35W CPU), without expansion card
PWA-330WB	330W, 24V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block (7.62mm pitch) *Recommended when enable turbo mode (65W CPU), without expansion card
PWS-480W-WT	480W, 24V, 90V AC to 305V AC Power Supply, Wide-Temp, IP65
TMK2-20P-100	Terminal Block 20-pin to Terminal Block 20-pin Cable, 100cm
TMK2-20P-500	Terminal Block 20-pin to Terminal Block 20-pin Cable, 500cm
TMB-TMBK-20P	Terminal Board with One 20-pin Terminal Block Connector and DIN-Rail Mounting
DIN Rail	DIN Rail Kit
VESA Mount	VESA Mounting Kit
M.2 Storage Module	M.2 Key M Storage Module
5G Module	5G Module with Antenna
4G Module	4G/GPS Module with Antenna
WiFi & Bluetooth	WiFi & Bluetooth Module with Antenna

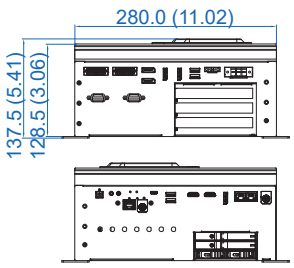
Dimensions & Drawing

Unit : mm (inch)

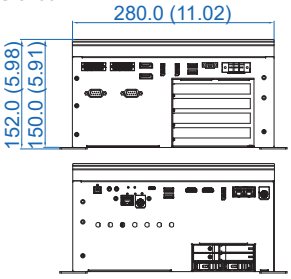
EVS-3400F



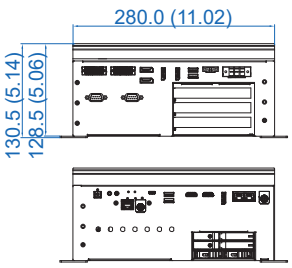
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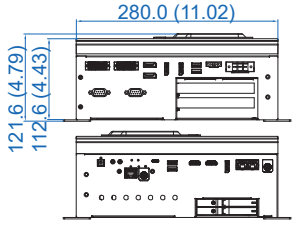
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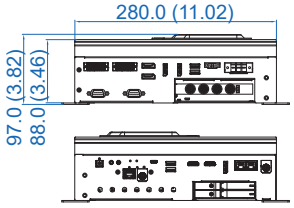
EVS-3300



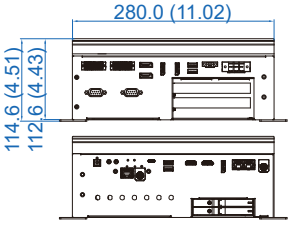
EVS-3200F



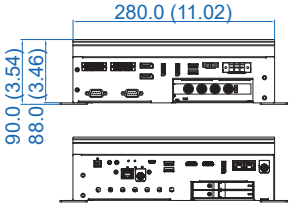
EVS-3100F

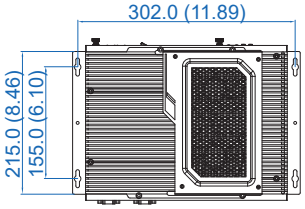


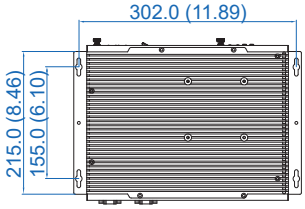
EVS-3200



EVS-3100







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