

MIG 2000

10th Gen Intel® Core™ i9/i7/i5/i3 Processor (Comet Lake) AI Computing System with NVIDIA® Tesla®/Quadro®/GeForce®/AMD Radeon™ Graphics



^ Autonomous Vehicles



- 10-core 10th Gen Intel® Core™ i9/i7/i5/i3 Processor (CML-S) running with Intel® H410 chipset supports max 65W TDP CPU
- 0°C to 60°C Operating Temperature
- 2 DDR4 2933MHz Memory supports up to 64GB
- DC 9V to 55V wide range Power Input
- Expansion : 1 Mini PCIe, 1 PCIe x16, 1 M.2 Key E
- PCIe x16 expansion supports up to 750W Power Budget for independent 2-slot graphics card

∨ Medical Imaging



^ Machine Vision

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Specifications

System

Processor	10th Gen Intel® Core™ i9/i7/i5/i3 Processor (Comet Lake-S)
Chipset	Intel® H410
BIOS	AMI
SIO	Nuvoton NCT6116D
Memory	2 DDR4 2933MHz SO-DIMM, up to 64GB
OS	Windows 10, Linux

I/O Interface

Serial	2 COM RS-232/422/485
USB	4 USB 3.0
LED	HDD, Power

Expansion

M.2	1 M.2 Key E Socket (2230, PCIe)
PCIe	1 PCIe x16 Slot
Mini PCIe	1 Full Size Mini PCIe

Graphics

Graphics Processor	Intel® UHD Graphics 630
Interface	3 Digital Display : Up to 3840 x 2160 @60Hz

Storage

SATA	2 SATA III (6Gbps)
M.2	1 M.2 Key M Socket (2280, PCIe)

Audio

Audio Codec	Realtek® ALC887, 5.1 Channel HD Audio
Audio Interface	1 Mic-in, 1 Line-out

Ethernet

LAN 1	Intel® I219V GigE LAN
LAN 2	Intel® I211 GigE LAN

Power

Power Input	9V to 55V, DC-in
Power Interface	2-pin Terminal Block V+, V-

Others

HW Monitor	Monitoring temperature, voltages. Auto throttling control when CPU overheats
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Mechanical

Dimensions	162.6mm x 203.6mm x 385.0mm (6.4" x 8.02" x 15.16")
Weight	5.3 kg (11.45 lb)
Mounting	Wallmount by mounting bracket

Environment

Operating Temp.	-0°C to 60°C (32°F to 147°F)
Storage Temp.	-20°C to 85°C (-4°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @60°C
Shock/Vibration	- IEC 61373 : 2010 - Railway Applications : Rolling Stock Equipment, Shock and Vibration Tests
EMC	CE, FCC, EN50155, EN50121-3-2

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Order Information

Model	GigE LAN	SSD Tray	PCIe x16	USB 3.0	HDMI	COM	SATA III	System Fan
MIG-2000	2	1	1	4	3	2	2	Y

CPU List

Series	CPU	GHz	TDP (W)	CPU	GHz	TDP (W)	ECC RAM
Intel® Core™	i9-10900E	4.7	65	i9-10900TE	4.5	35	N/A
	i7-10700E	4.5	65	i7-10700TE	4.4	35	N/A
	i5-10500E	4.2	65	i5-10500TE	3.7	35	N/A
	i3-10100E	3.8	65	i3-10100TE	3.6	35	Y

Optional Software

VHub AI Developer	AI Development Kit
VHub ROS	AMR Development Kit
VHub EtherCAT	I/O Control Platform

Accessories

DDR4 32G	Certified DDR4 32GB 2933MHz RAM
DDR4 16G	Certified DDR4 16GB 2933MHz RAM
DDR4 8G	Certified DDR4 8GB 2933MHz RAM
DDR4 4G	Certified DDR4 4GB 2933MHz RAM
PWS-480W-WT	480W, 24V, 90V AC to 305V AC Power Supply, Wide-Temp, IP65
PWS-600W	600W, 24V, 90V AC to 305V AC Power Supply
PWS-600W-WT	600W, 28.8V, 90V to 305V AC Power Supply, Wide Temperature -40°C to +70°C

Dimensions & Drawing

Unit : mm (inch)

