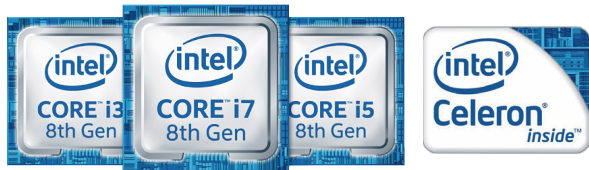


Machine Vision MV06-C

Intel Whiskey Lake-U/Tiger Lake-U based
Machine Vision Controller



Features

- Intel® Whiskey Lake-U/Tiger-Lake U Core Board based, Core i3, i5, i7, Celeron Processor
- 2 × SO-DIMM slot for memory up to 64GB
- Integrated Graphics displays via 1x HDMI, 1x DVI
- Rich I/O ports: 6× LAN, 4 × COM, 4x USB3.0, 2x USB2.0, 1x DC-in
- Fan/Fanless design, low power consumption
- High quality aluminium enclosure

Introduction

The Maxtang's MV06-C machine vision controller incorporated the Intel® Whiskey Lake-U/Tiger Lake-U core board plus the I/O board. Features with 6xLAN, 4x COM, 6xUSB, and PoE optional, optimizing easy maintenance in industrial automation environments. This product retains the robust design of all Maxtang product lines, at a new extremely cost-effective price point.

The MV06-C supports dual-channel DDR4 up to 64GB memory for more powerful computing performance. Along with a versatile I/O array and flexible expansion capacity, it is fully satisfying all the needs of industrial automation with the performance demanded by vision inspection, motion control, and surveillance applications. Fanless construction not only overcomes contaminant and noise challenges presented by harsh IA environments, the elimination of problematic structural elements that negatively affect MTBF greatly increases lifecycle expectations for the platform.



H/W Monitor



Watchdog

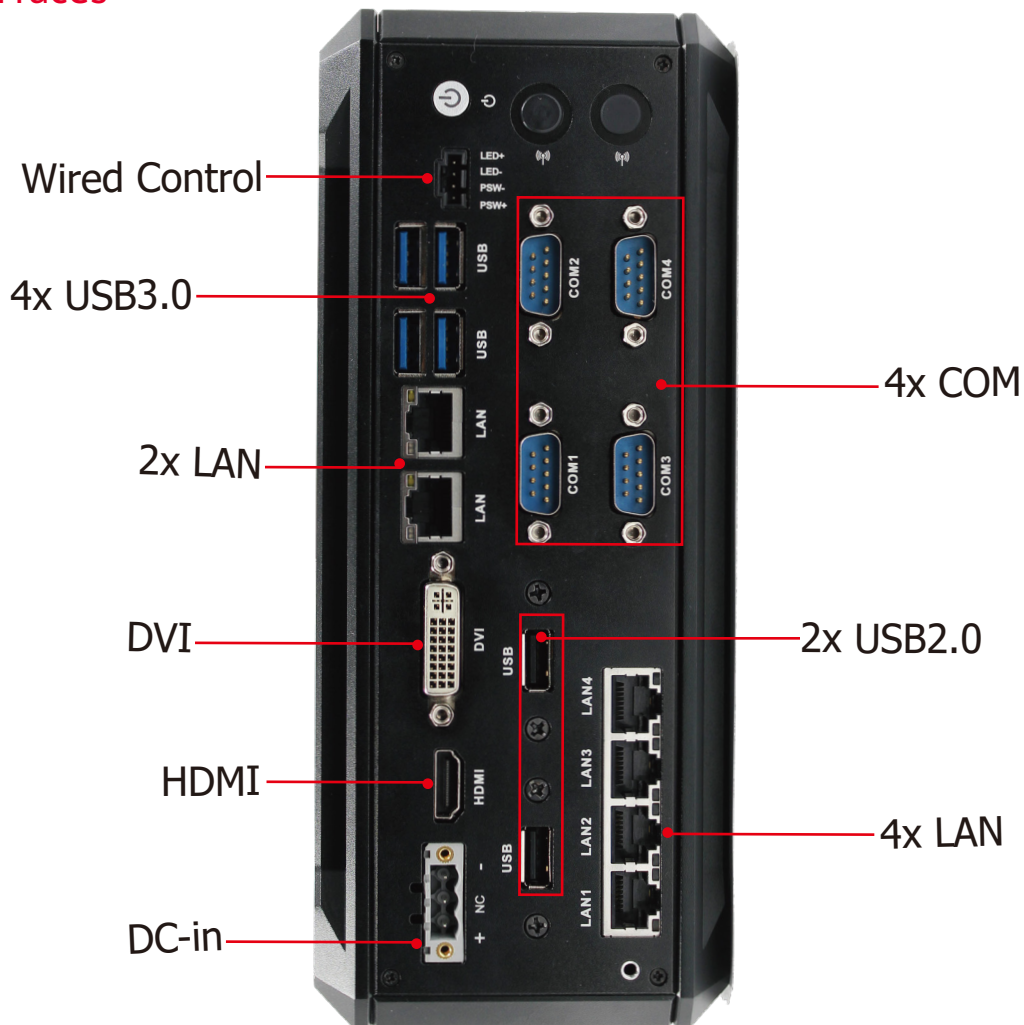


GPIO



Brightness

I/O Interfaces

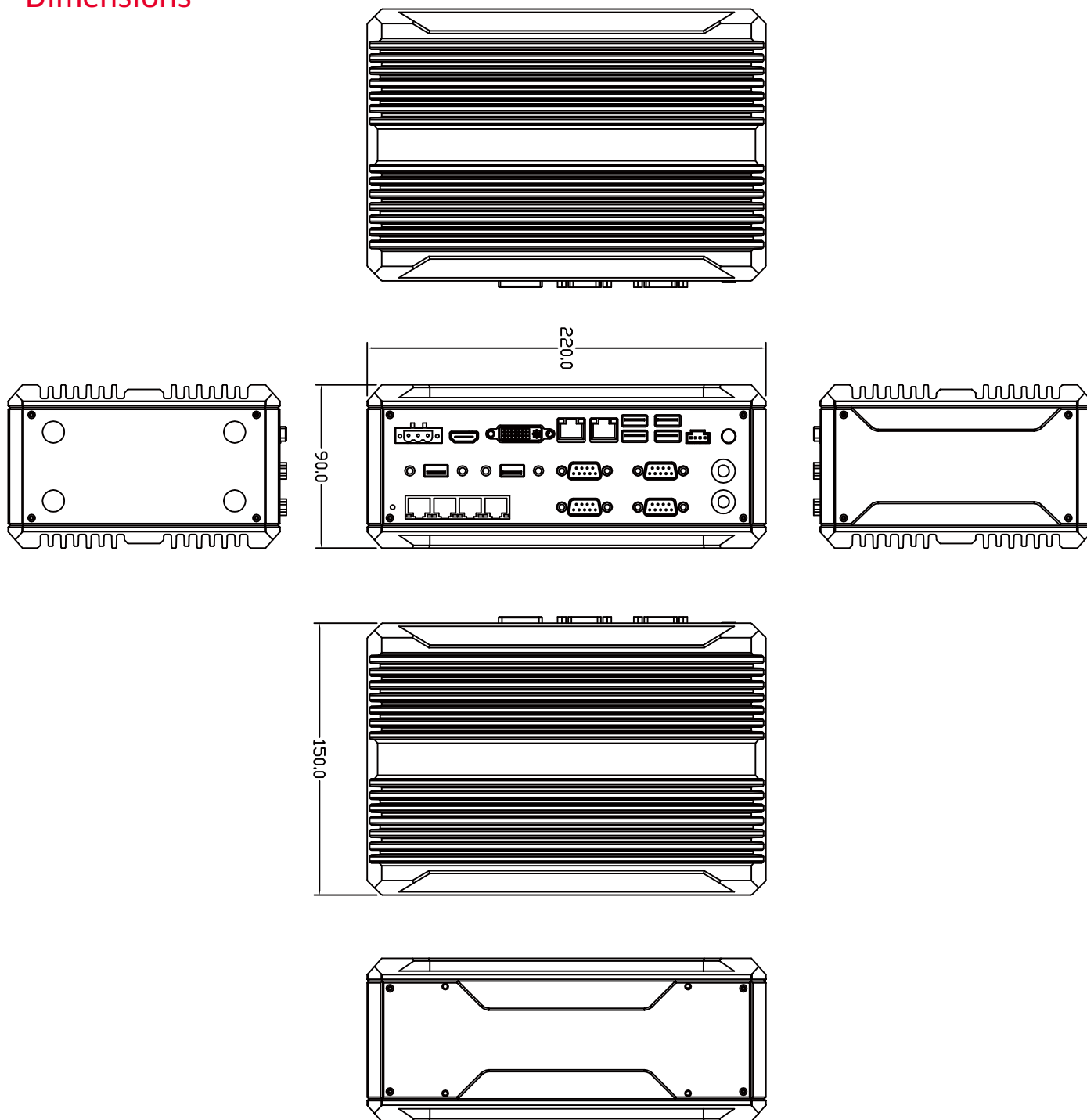


Technical Specifications

Whiskey Lake-U	CPU	4205U	8145U	8265U	8665U
	Core Frequency		1.8 GHz	2.1 GHz	1.6 GHz
Turbo Frequency			3.9 GHz	3.9 GHz	4.8 GHz
Cache		2 MB	4 MB	6 MB	8 MB
Tiger Lake-U	CPU	6305	1115G4	1145G7E	
	Core Frequency	1.8 GHz		1.5 GHz	
	Turbo Frequency		4.1 GHz	4.1 GHz	
	Cache	4 MB	6 MB	8 MB	
Memory	Type	2x SO-DIMM DDR4			
	Max Capacity	64 GB			
Display	HDMI	1			
	DVI	1			
Ethernet	Speed	10/100/1000 Mbps			
	Controller	Intel i211+ i350			
	Interface	RJ-45			
Storage	M.2	1xM.2_M for 2280 SSD (SATA3.0)			
	M.2	1xM.2_B, for 2242/2280 SSD (SATA3.0) or 4G module (Optional)			
I/O	LAN	2x i211 + 4 x i350 (PoE Optional)			
	COM	4x RS232/RS235			
	USB	4x USB3.0 + 2x USB2.0			
	DC-in	1			
	Wired Control	1			
Dimension	Size	90 mm x 220 mm x 150 mm			
Power	Standard Port	24V DC-in			
		9 - 36V w/o PoE			
Temperature	Operating Temp.	-20°C to 60°C			
	Storage Temp.	-40°C to 80°C			
Cooling	Whiskey Lake	Passive			
	Tiger Lake	Active			
Operating System		Windows 10 64bit, Linux 64bit			

*All specifications and photos are subject to change without notice.

Dimensions



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