

DXBW-10

Intel Haswell/Broadwell Processors based
Industrial PC with 10COM



Features

- CPU: Intel Haswell/Broadwell Processors
- Memory: Single Channel DDR3L up to 8GB
- Display via: Dual display via 1xHDMI, 1xVGA
- I/O Ports: 2xUSB3.2, 6xUSB2.0, 2xLAN, 10x COM
- Ethernet: 10/100/1000Mbps
- Storage: SATA3.0, mSATA
- Dimension: 255mm x 220mm x 60mm
- Power: 12V DC-in



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Introduction

Maxtang's DXBW-10 fanless embedded industrial PC incorporating the Intel® Core™ Haswell/Broadwell processors, supports dual displays via HDMI plus VGA, optimizing easy maintenance in complex industrial environments. The series retains the robust design of all Maxtang product lines, at a new extremely cost-effective price point.

The DXBW-10 supports single-channel DDR3L memory up to 8GB for more powerful computing performance. Along with a versatile I/O array and flexible expansion capacity, it fully satisfies 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

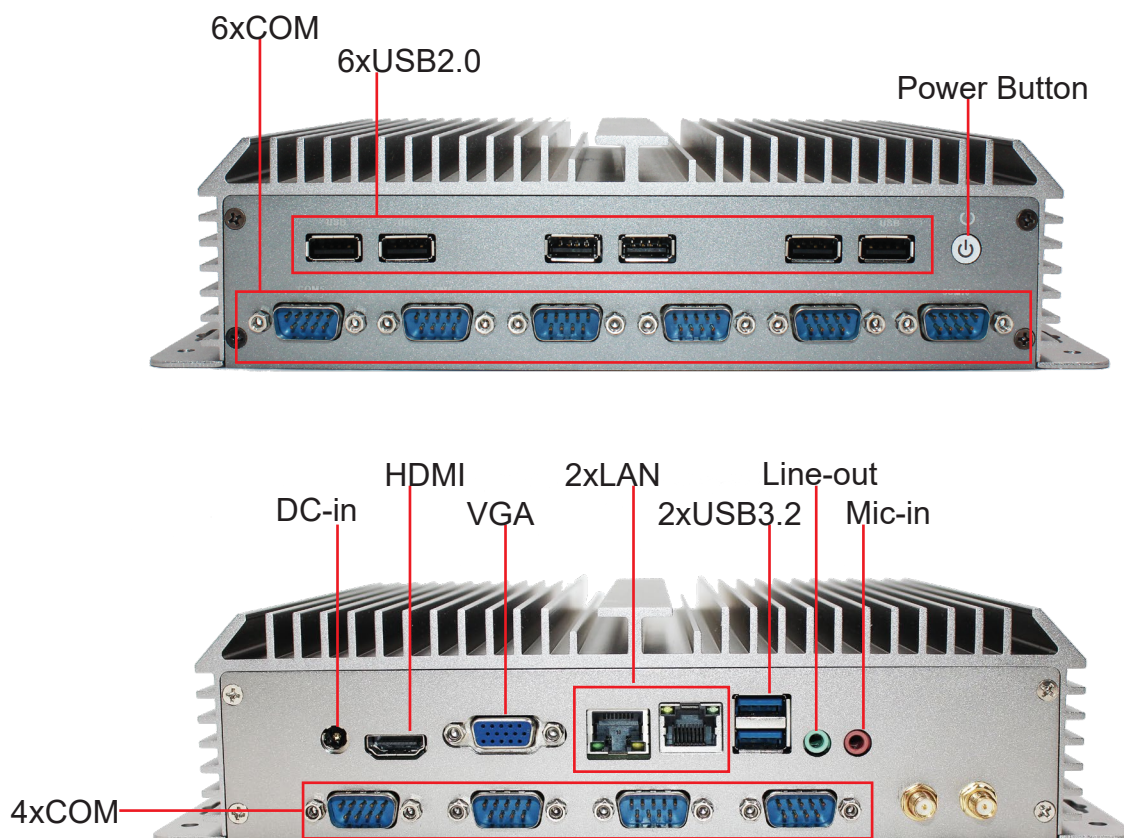


GPIO



Brightness

I/O Interfaces

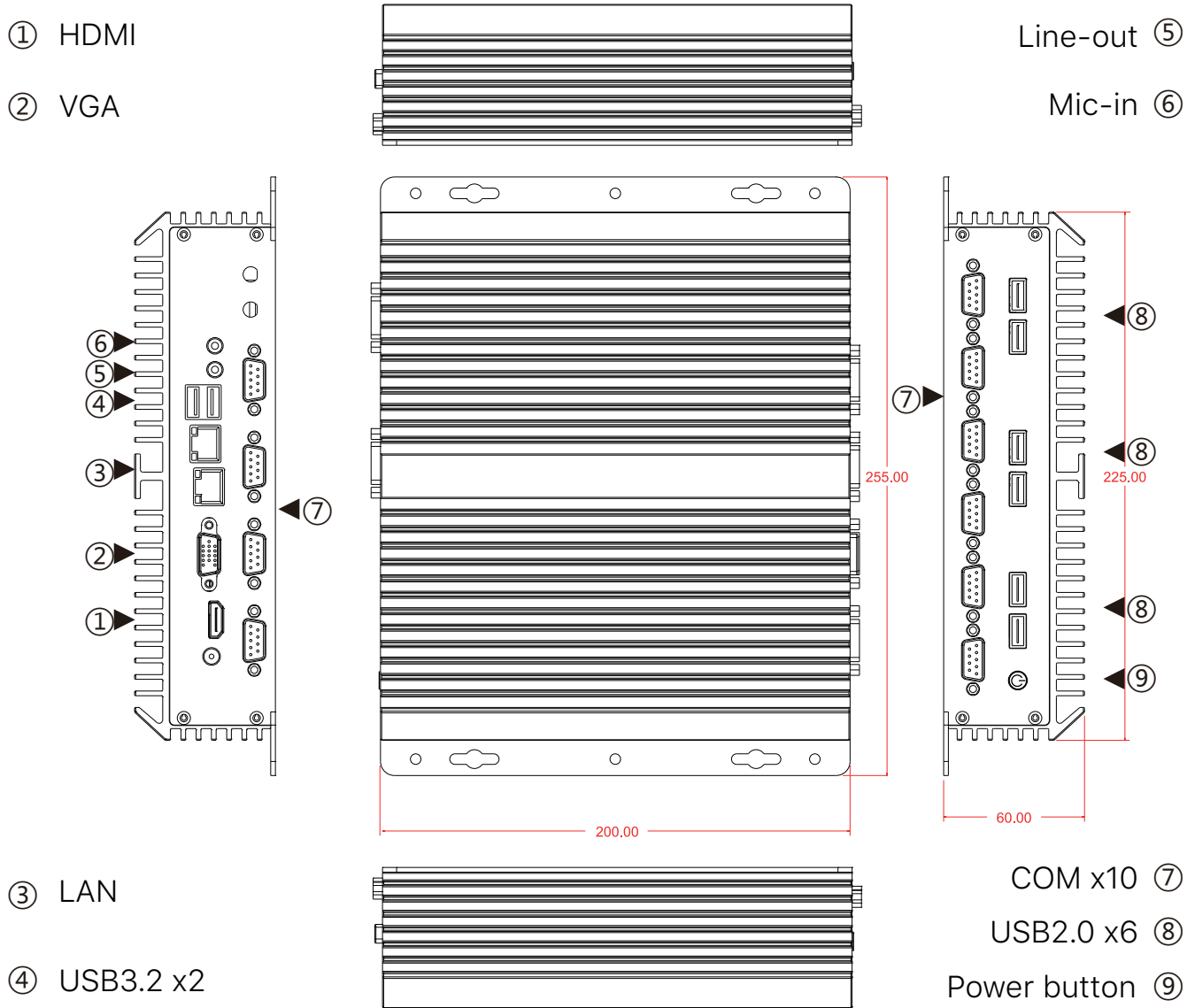


Technical Specifications

Processor	CPU	i3-4010U	i5-4200U	i7-4500U	i7-5500U
	Core Frequency	1.7 GHz	1.6GHz	1.8GHz	2.4GHz
	Max Turbo Frequency	/	2.6GHz	3.0GHz	3.0GHz
	Cache	3MB	3MB	4MB	4MB
	TDP	15W			
Memory	Type	Single Channel SO-DIMM DDR3L			
	Max. Capacity	8 GB			
Display	GPU	Intel HD Graphics based on CPU			
	Display via	HDMI+ VGA			
Ethernet	Speed	10/100/1000 Mbps			
	Controller	Realtek RTL8111H			
	Interface	RJ45			
	Wake on LAN	Yes			
Audio	Audio Codec	Realtek HD			
	Interface	Line-out, mic-in			
Storage	SATA3.0	1			
	mSATA	1			
I/O	LAN	2			
	COM	10x COM (RS232/RS485)			
	USB2.0	6			
	USB3.2	2			
	HDMI	1			
	VGA	1			
Dimension	Size	255 mm x 200mm x 60 mm			
Power	Standard Port	12V DC-in			
Temperature	Operating Temp.	- 20°C to 60°C			
	Storage Temp.	- 40°C to 80°C			
Cooling Method		Passive			
Operating System		Windows 7/10, Linux			

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

Block Diagram (mm)



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