

DXBYT-60

Intel® Bay Trail Processor based Fanless
Industrial PC with 6COM



Features

- CPU: Intel Bay Trail Processor
- Memory: Single Channel SO-DIMM DDR3L up to 8GB
- Display via: Intel HD Graphics via VGA, HDMI
- I/O Ports: 1xUSB3.2, 5xUSB2.0, 2xLAN, 6xCOM
- Ethernet: 10/100/1000Mbps
- Storage: SATA2.0, mSATA
- Dimension: 255mm x 220mm x 60mm
- Power: 12V DC-in



Introduction

Maxtang's DXBYT-60 fanless embedded industrial PC incorporating the Intel® Core™ Bay Trail 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 DXBYT-60 supports single-channel SO-DIMM DDR3L memory of 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.



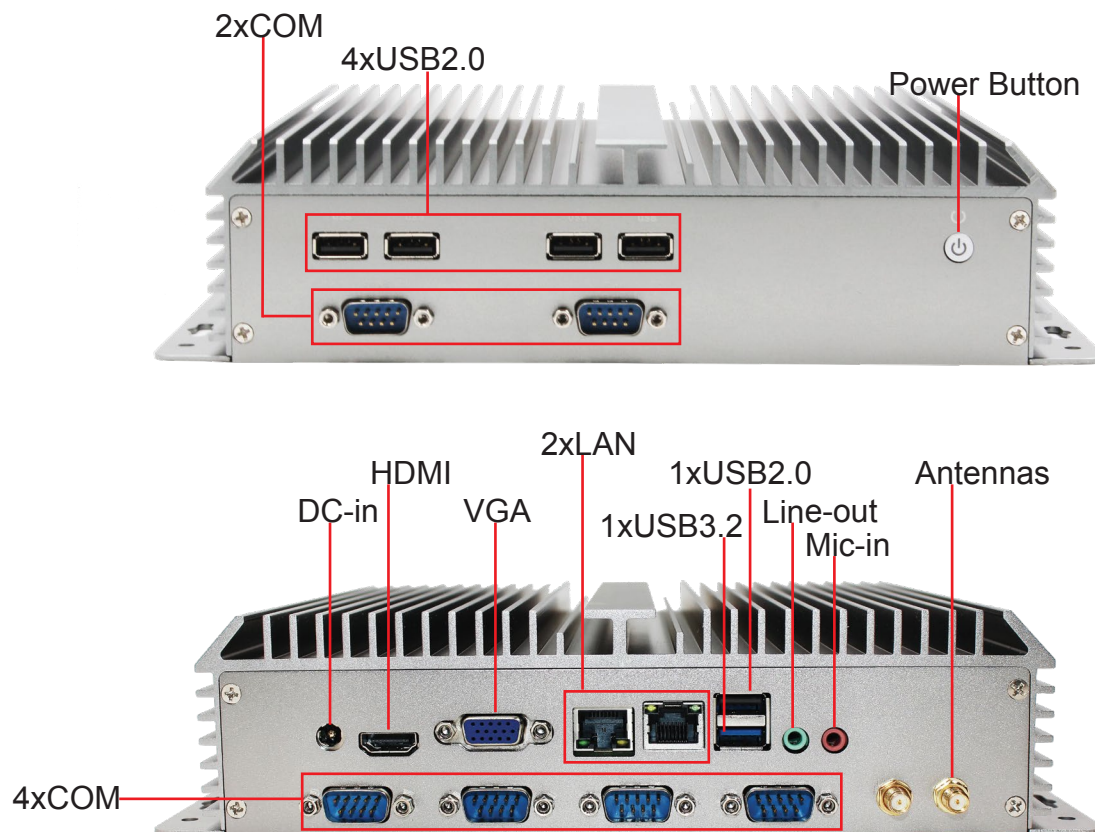
H/W Monitor



Watchdog



I/O Interfaces



Technical Specifications

Processor	CPU	J1800(2-core)	J1900(4-core)	N2940(4-core)
	Base Frequency	2.41GHz	2.00GHz	1.83 GHz
	Burst Frequency	2.58GHz	2.42GHz	2.25 GHz
	Cache	1MB	2 MB L2	2 MB L2
	TDP	10W	10W	7.5W
	BIOS	AMI UEFI BIOS		
Memory	Type	Single Channel SO-DIMM DDR3L		
	Max. Capacity	8GB		
Display	GPU	Intel HD Graphics		
	Display via	1xHDMI + 1xVGA		
Ethernet	Speed	10/100/1000Mbps		
	Controller	Realtek RTL8111H		
	Interface	2x RJ45		
Audio	Audio Codec	Realtek HD		
	Interface	Line-out, Mic-in, 1x SPDIF		
Storage	SATA2.0	1		
	mSATA	1		
Expansion	Mini-PCIe	1		
I/O Interface	LAN	2x RJ45 (LAN_2 can be replaced with two USB2.0 instead.)		
	COM	6x RS232 (Optional RS485 for COM_6)		
	USB3.2	1		
	USB2.0	5		
	Line-out	1		
	Mic-in	1		
Dimension	Size	255mm x 200mm x 60mm		
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		Win7/ Win8/10 32/64bit, Linux 32/64bit		

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

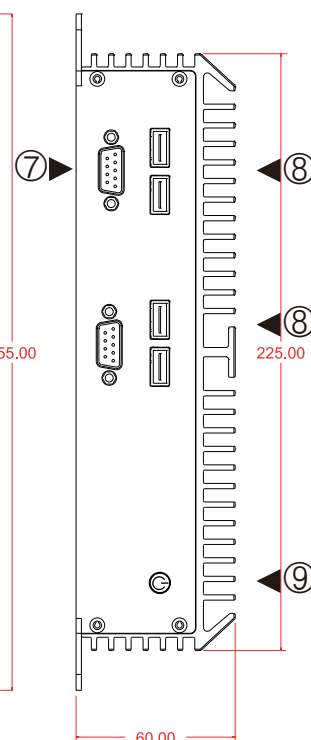
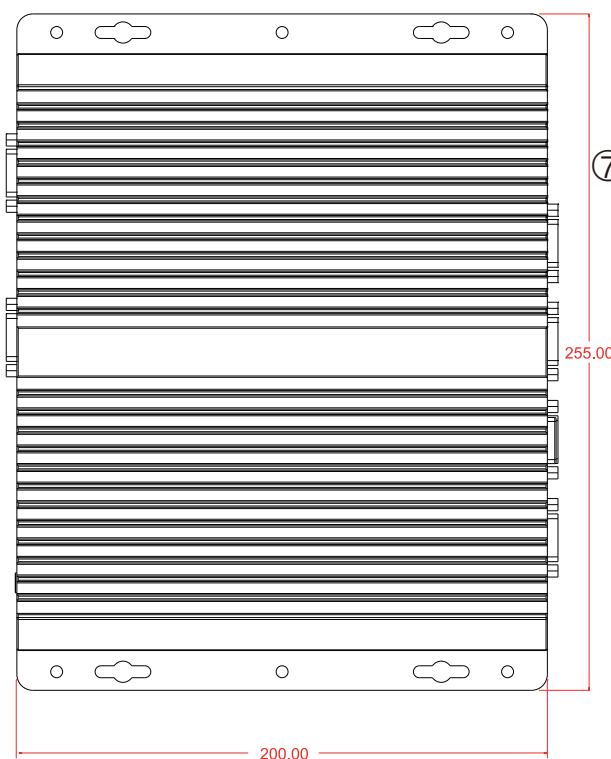
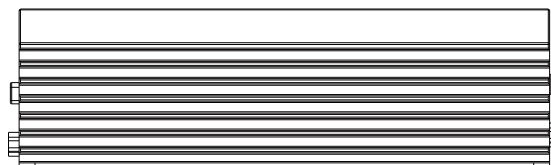
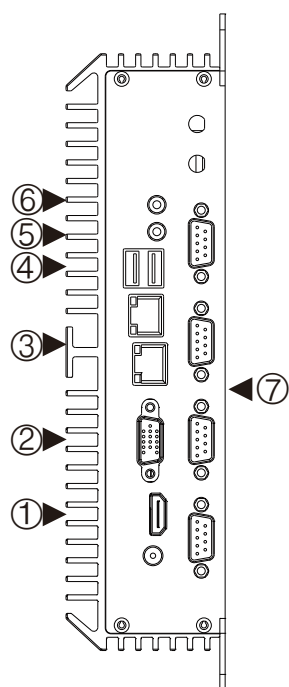
Block Diagram (mm)

① HDMI

② VGA

Line-out ⑤

Mic-in ⑥



③ LAN

④ USB3.2 x1
USB2.0 x1

COM x6 ⑦

USB2.0 x4 ⑧

Power button ⑨