

# DT-8803H-E1

Intel Haswell Processors with PCH B85 Chipset  
based Industrial Machine



## Features

- CPU: Intel Haswell CPU + PCH B85
- Memory: Dual Channel DDR3L up to 16GB
- Display via: 1x HDMI+ 1x DP+ 1x VGA
- I/O Interface: 6xUSB2.0+ 2xUSB2.0\*header+2xUSB3.2 + 1xUSB3.2\*Dongle Onboard
- Ethernet: 10/100/1000Mbps
- Storage: 1x 2.5" HD + M.2 SSD
- Expansion: M.2, 1xSlot (PCIe 16X or PCI)
- Power: 16-36V DC-in



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## Introduction

Maxtang's DT-8803H-E1 fanless embedded industrial PC incorporating the Intel® Core™ Haswell processor, provides a variety of display ports and 16 GPIO, optimizing easy maintenance in industrial automation environments. The series retains the robust design of all Maxtang product lines, at a new extremely cost-effective price point.

The DT-8803H-E1 series supports dual-channel DDR3 memory for more powerful computing performance. Along with a versatile I/O array and flexible expansion capacity, the DT-8803H Series 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

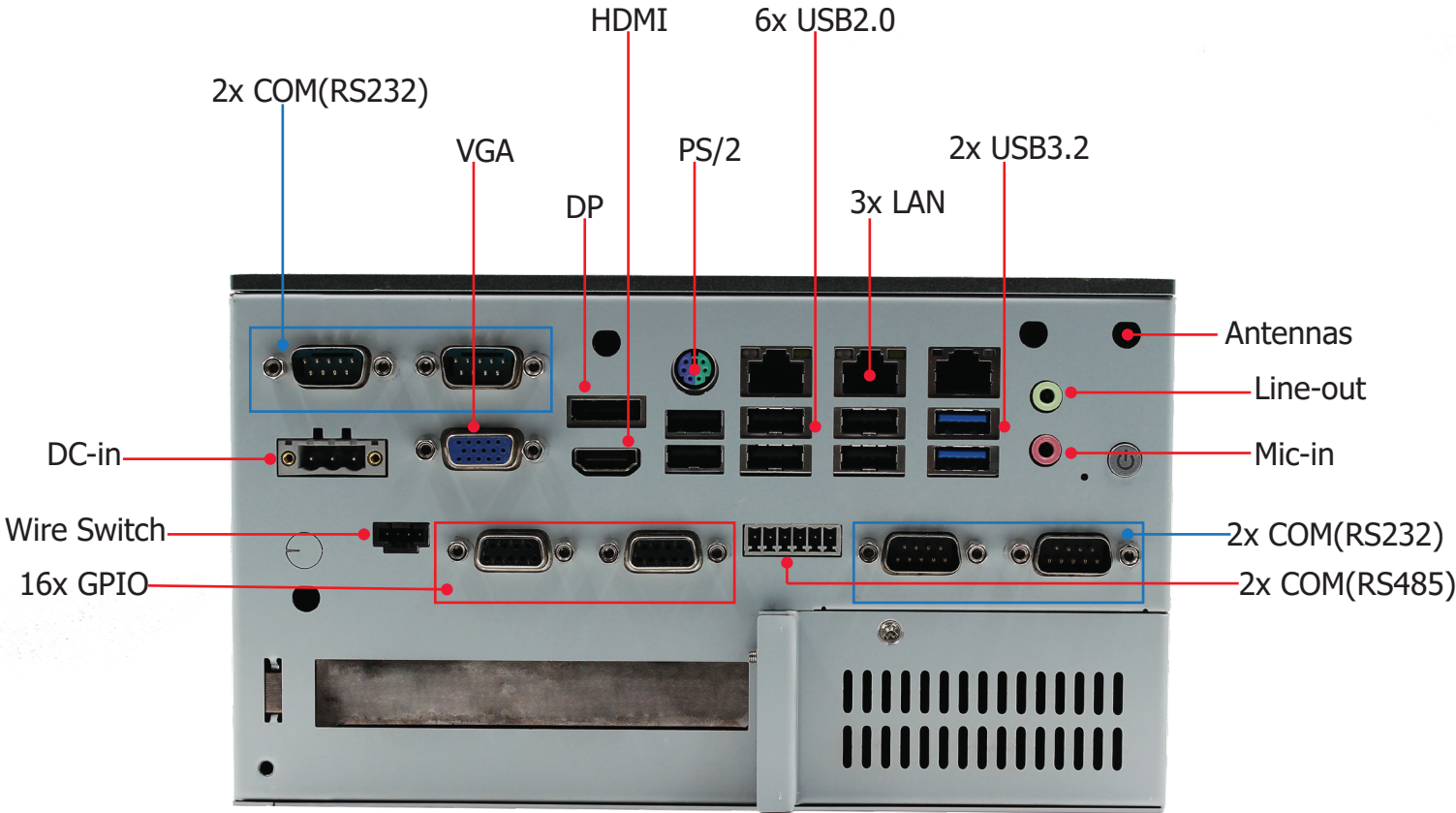


GPIO



Brightness

## I/O Interfaces

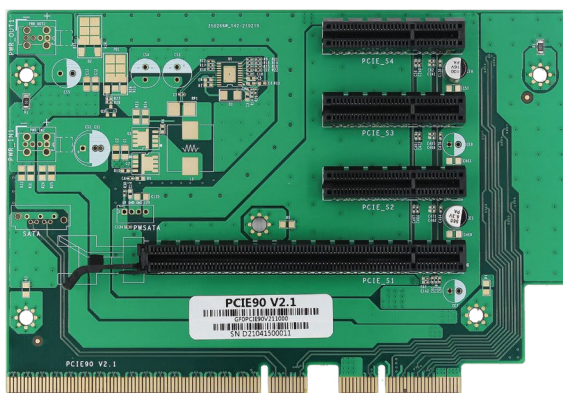


## Technical Specifications

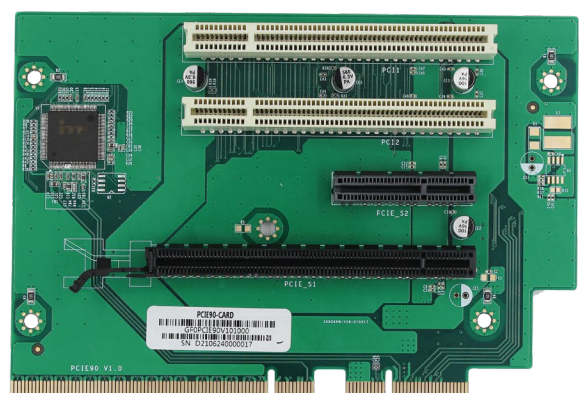
Processor	CPU	B85 Chipset +Haswell CPU ( ≤ 45W)
Memory	Type	Dual Channel SO-DIMM DDR3L
	Max. Capacity	16GB
Display	GPU	Intel HD Graphics based on CPU
	HDMI	1
	DP	1
	VGA	1
Ethernet	Speed	10/100/1000 Mbps
	Controller	Intel i211
Storage	SATA	1x SATA2.5 inches HD
	M.2	1x M.2 for WiFi
	M.2	1x M.2 for 2280 SSD SATA
	M.2	1x M.2 for 5G/4G
Expansion	PCIe/PCI	1 Slot
	Default	1*PCIe8X+2*PCIe4X+1*PCIe2X
	Optional	1*PCIe16X+1*PCIe2X+2*PCI
I/O	LAN	3
	COM	6x COM (4xRS232+2xRS485)
	USB	6xUSB2.0+2xUSB2.0*header+2xUSB3.2+1xUSB3.2* Dongle Onboard
	Audio	1x Mic-in
		1x Line-out
	PS/2	1x PS/2 (for PS/2 Keyboard and Mouse)
	GPIO	16x
Other		Wire Switch
Dimension	Size	220 mm x 125 mm x 227.5 mm
Power	Standard Port	16-36V DC-in
Temperature	Operating Temp.	0°C to 50°C
	Storage Temp.	- 40°C to 85°C
Cooling Method		Passive
Operating System		Windows 7/8.1/10, Linux

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

## PCIe/PCI Expansion Card

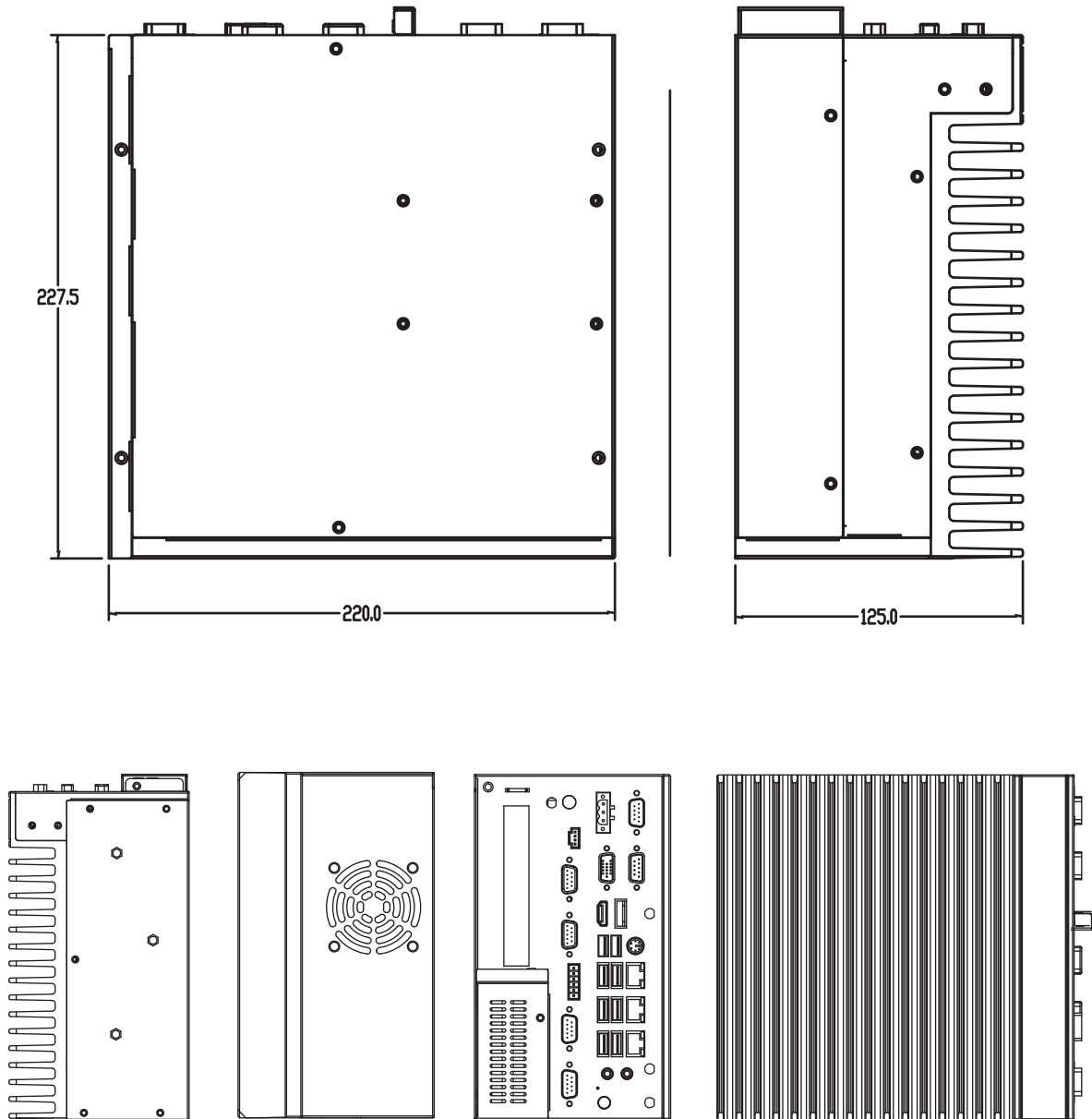


Default



Optional

## Block Diagram



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