

# RUGGED PC

## 6th Generation Intel® Core™ i Compact Fanless System



### Features

- 6th generation Intel® Core™ i7 BGA-type processor with Intel® QM170 chipset
- Wide operating temperature (-20 ~ 60 °C)
- 220 V AC input power
- 2 x RS-232
- 1 x 2.5" SSD HDD
- 2 x GigaLAN and 4 x USB 3.0
- VGA and DVI output

### Specifications

System Chipset	CPU	Intel® Core™ i7	
	Maximum Speed	2.0 GHz	
	L3 Cache	8 MB	
	Chipset	Intel® QM170	
	BIOS	AMI® SPI 64 Mb	
Memory	Technology	Dual-channel DDR4 2133 MHz	
	Socket	2 x 260-pin 4 GB DDR4 SODIMM (up to 16 GB per socket)	
	Maximum Capacity	4 GB (expandible up to 32 GB)	
Display	Chipset	Intel® HD Graphics 530, supports DirectX 12	
	VGA	1 x DB15, up to 2048 x 1536 maximum resolution	
	DVI	1 x DVI, up to 1920 x 1200 maximum resolution	
Ethernet	Interface	2 x RJ-45	
Storage	HDD	1 x 2.5" SSD HDD	
I/O	USB	4 x USB 3.0	
	Serial Port	2 x RS232	
LED and Switch	LED	1 x HDD, 1 x Power	
	Button	1 x Power on/off switch	
Power	Input Voltage	220 V AC	
Watchdog Timer	Output	System reset	
	Interval	Programmable 1 ~ 255 sec/min	
Environment	Temperature	Operating (with industrial SSD) -20 ~ 60 °C with 0.7 m/s air flow	Non-Operating -40 ~ 85 °C
	Humidity	95% @ 40 °C (non-condensing)	
	Vibration	With SSD: 3 Grms @ 5 ~ 500 Hz, random, 1 hr/axis	2G
	Shock	With SSD: 20G, IEC-68-2-27, half-sine wave, 11 ms duration	50G 11 ms
Mechanical	Installation	Desktop/Wallmount	
Certifications	EMI/EMC	Under Testing	
	JS55555	Under Testing	
	MIL-STD-461E	Under Testing	