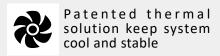
## **KUBE-5500**

## High Performance Heavy Industrial PC with Intel® Kaby Lake family processor



KUBE-5500 is a high performance BPC designed for heavy industrial application with Intel® Kaby Lake family processor. Powered by IP30 housing design, patented thermal solution keeps system work stable in extreme environment. Friendly design make user easy monitor and maintenance, such as edge LED indicator design, removable service panel, and LVDS for PPC integration. KUBE-5500 is an ideal solution for intelligent computing and communication solution to meet different kinds of application in the Industry.







Easy PPC integration by LVDS connection



Versatile mounting scheme by wall, Dinrail and VESA

General		
CPU	Intel® Core™ i5-7442EQ, 4 cores, 2.1/2.9 GHz, 25W TDP	
Memory	2x DDR4 2133/2400 MT/s SODIMM socket support up to 64GB	
Mass storage	1 x M.2 Key-B, 2260 interface for SSD	
Video Interface	2 x DP v1.4 4096 x 2160 @ 60Hz	
Expansion	1 x mini-PCle with mSATA interface	
Cooling	Fan	
Power input	24VDC+/- 20% w/ RVP	
Indicator LED	ERROR, RUN, SATA, POWER	
Power switch	1 x Power switch (Optional)	
Operating systems	Windows® 10	

I/O Interfaces		
Power connector	1 x 3-Pin Terminal Block	
USB	2 x USB 2.0 (5V/0.5A) 2 x USB 3.0 (5V/0.9A)	
Ethernet	2 x 10/100/1000 GbE (Intel® i210)	
RS-232	2 x COM RS-232	
RS-232/422/485 (BIOS configurable)	1 x COM RS-232/422/485	

Mechanical and Environment		
Dimension (mm)	186x145x49 (mm)	
Net Weight	2 kg	
Mounting/ Mounting option	Wall, VESA(Optional), DIN-Rail	
Degree of protection (IP rating)	IP30	
Ambient temperature (operation)	0°C~45°C	
Ambient temperature (storage/transport)	-40 °C ~85 °C	
Permissible humidity (operation)	5 % ~ 95 % RH (non-condensing)	
Permissible humidity (storage/transport)	5 % ~ 95 % RH (non-condensing)	
Vibration	1G with DIN EN 60068-2-6	
Impact/ Shock	15g, 11 ms in accordance with IEC 60068-2-27	

Standard & Regulation		
EMC	CE, FCC	
EMI	EN 61000-6-4 & AS/NZS CISPR 22 (Heavy Industry)	
EMS	IEC 61000-4-2 Contact: +/- 6 KV; criteria B Air: +/- 8 KV; criteria B	
	IEC 61000-4-3 10 V/m 80MHz - 1000MHz 3 V/m 1400 MHz -2000 MHz 1 V/m2000 MHz -2700 MHz	
	IEC 61000-4-4 Signal ports: +/- 2 KV; criteria B DC power ports: +/- 2 KV; criteria B	
	IEC 61000-4-5 Signal ports: +/- 1 KV; criteria B DC power ports: +/- 1 KV line-to-earth, +/- 0.5 KV line-to-line; criteria B	
	IEC 61000-4-6 Signal ports: 10 Vrms @ 0.15 ~ 80 MHz; 80% AM criteria A DC power ports: 10 Vrms @ 0.15 ~ 80 MHz; 80% AM criteria A	
	IEC 61000-4-8 30 A/m @ 50, 60 Hz; criteria A	

	Others	
Power comsumption (Typical, Max)	Maximum:(I/O full loading ,Windows 10, CPU loading 100%) 1.61A @ 28.8V, 44.72W 1.79A@24V, 43.12W 2.20A@ 19.2V, 42.4W	
	Typical (I/O basic loading ,Windows 10, CPU loading 40%) 0.62A @ 28.8V, 17.77W 0.67A@ 24V, 16.258W 0.79A@ 19.2V, 15.12W	
	Minimal (I/O minimum loading, Windows 10, CPU loading: Idle) 0.45A@28.8V, 12.95W 0.47A@24V, 11.80W 0.55A@19.2V, 10.67W	
Optional Accessory		

Display adaptor: DP to VGA / DP to DVI-I video adapter Mess Storage (M.2 SSD): 32GB / 64GB / 128GB /256GB RAM (DDR4 SO-DIMM ): 4G/8G/16G

Universal DIN rail adapter Wall mounting kit

## **Dimensions**

