

Model: MPCX-KLE-i3, MPCX-KLE-i5, MPCX-KLE-i7
Industrial Embedded Computer - Intel® Core™



Main Feature

- Fanless Design with oxidized Aluminium Casing
- Ultra Low Power Consumption processor - 15watt (Max. TDP)
- VGA + HDMI support Independent Dual Display
- 2 x Intel GLAN, 6 x COM ports, 8 x USB 2.0/3.0
- BIOS Set-up “Auto Power-On”, and “Wake on LAN”
- Optional: 8 x LAN & 2 x COM, and PCI & PCI-E Expansion slots

Application:

Digital Signage, Factory Automation; Processor Automation; Intelligent Traffic Control;
 Medical Equipment; Marine / Offshore Industrial ...

Specification

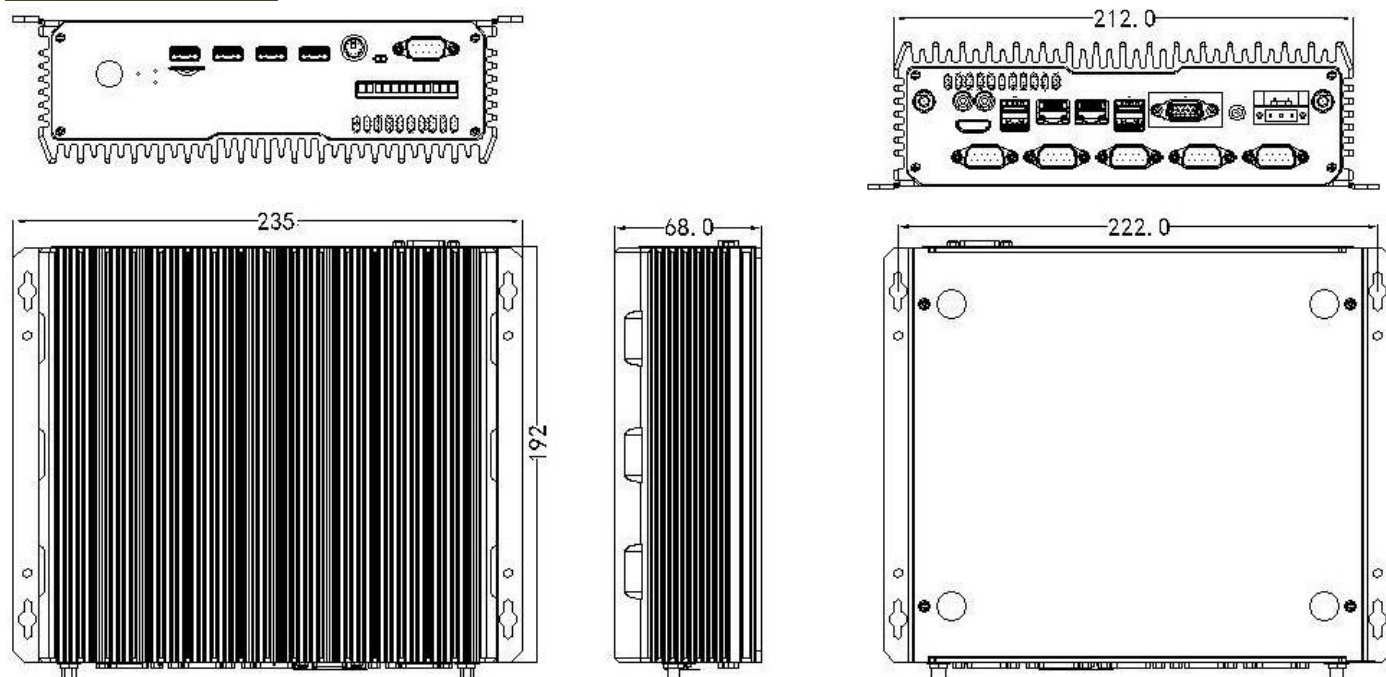
Item	Description		
Product Model	MPCX-KLE-i3	MPCX-KLE-i5	MPCX-KLE-i7
Processor	Intel® Core™ i3 8140U Processor (Dual Core, 2.1 to 3.9GHz, 4M Cache)	Intel® Core™ i5 8260U Processor (Quad Core, 1.6 to 3.9GHz, 6M Cache)	Intel® Core™ i7 8550U Processor (Quad Core, 1.8 to 4.0GHz, 8M Cache)
Chipset	Intel® integrated with processor		
Memory	2 x DDR4 SO-DIMM Socket up to 32GB		
BIOS	AMI 64MB Flash ROM		
Graphic	VGA & HDMI 1.4, Maximum Resolution 1920 x 1200 @ 60Hz		
Storage	Space for 1 x 2.5" bay for SSD/HDD, 1 x mSATA for SSD		
Audio	ALC662, 6 channel HD Audio, Line-Out & Mic.-In		
LAN	2 x Intel® i210 Gigabit LAN Controller		
USB port	4 x USB 3.0 and 4 x USB 2.0		
COM Port	2 x RS 232 & 4 x232/485 (Isolated)		
GPIO	4 x Digital Input and 4 x Digital Output		

Watch-Dog Timer	Programmable 0 to 255 min, support Hardware Reset
Expansive interface	1 x Mini PCI-E slot for WIFI & Bluetooth <u>Optional:</u> 2 x PCI, <u>or</u> 1 x PCI + PCI-E X1, <u>or</u> 1 x PCI-E X1 + 1 x PCI-E X4 slots
I/O port	VGA + HDMI, 2 x RJ45, 4 x USB 3.0, 4 x USB 2.0, 6 x COM, 1 x SIM Slot, 2 x Lin-out / Mic.-In, 1 x Power Switch, 1 x DC input, 1 x PS2, 1 x DIO Block
Power Supply	12 - 24 VDC wide range
Construction	Oxidized Aluminium Case
OS supporting	DOS, Windows 7 / 10, Linux
Environment	Operating temperature: -10 °C to 60 °C Storage temperature: -20 °C to 80 °C Storage humidity: 5% to 95%non-condensing Vibration: 17 to 500HZ 1G PTP; Shock: 1G /peak(11m sec)
Compliance	CE/FCC/ROHS
Dimension W x H x D (mm)	235 x 192 x 68

Ordering Information

MPCX-KLE-i3	Industrial Fanless Computer with Intel® Core™ i3 8140U
MPCX- KLE-i5	Industrial Fanless Computer with Intel® Core™ i5 8260U
MPCX- KLE-i7	Industrial Fanless Computer with Intel® Core™ i7 8550U
Optional (8 x GLAN)	Upgrade to 8 x Intel® i210 Gigabit LAN, 2 x COM
Optional (Expansion Slots)	Upgrade to 2 x PCI, <u>or</u> 1 x PCI + PCI-E X1, <u>or</u> 1 x PCI-E X1 + 1 x PCI-E X4 expansion slots
Optional - RAM	8 to 32GB DDR4 SO-DIMM RAM
Optional - SSD / HDD	64 GB to 2TB SSD / 500GB to 2TB 2.5'' SATA HDD
Optional - WIFI	WIFI + Bluetooth with Antenna
Optional - OS	Windows 7/10 Professional , or Win 10 IoT Enterprise 64 bit

Structure Diagram



Optional: 2 x PCI, or 1 x PCI + PCI-E X1,
or 1 x PCI-E X1 + 1 x PCI-E X4 slots

Dimension: 235 x 192 x 120mm



Optional: Upgrade to 8 x Intel® i210 Gigabit
LAN, 2 x COM

