

Model: MPCX-MINI, MPCX-MINI-i5-8, MPCX-MINI-i5-10
Industrial MINI Computer



Main Feature

- Fanless Design with oxidized Aluminium Casing
- Ultra Low Power Consumption processor - 15watt (Max. TDP)
- DP + HDMI support 4K resolution
- 2 x COM ports, 2 x Gigabit LAN, Audio, 8 x USB 2.0/3.0
- BIOS Set-up “Auto Power-On”, and “Wake on LAN”

Application:

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

Specification

Item	Description		
Product Model	MPCX-MINI	MPCX-MINI-i5-8	MPCX-MINI-i5-10
Processor	Intel® Celeron® 5205U Processor (Dual Core, 1.9GHz, 2M Cache)	Intel® Core™ i5 8260U Processor (Quad Core, 1.6 to 3.9GHz, 6M Cache)	Intel® Core™ i5 10210U Processor (Quad Core, 1.6 to 4.2GHz, 6M Cache)
Chipset	Intel® integrated with processor		
Memory	2 x DDR4 SO-DIMM Socket up to 64GB		
BIOS	AMI 64MB Flash ROM		
Graphic	<ul style="list-style-type: none"> • 1 x HDMI 2.0, Maximum Resolution 4096 x 2304 @ 60Hz • 1 x Mini DP, Maximum Resolution: 4096 x 2304 @ 60Hz 		
Storage	Space for 1 x 2.5" bay for SSD/HDD; 1 x M.2 2280 NVME PCIe4/SATA		
Audio	ALC662, 6 channel HD Audio, Line-Out & Mic.-In		
LAN	2 x RJ45, Realtek RTL8111H Gigabit LAN		
USB port	4 x USB 3.0 and 4 x USB 2.0		
COM Port	2 x RS 232/485		

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, 1 x M.2 2230 Key E Slot for WIFI & Bluetooth
I/O port	HDMI + Display Port, 2 x RJ45, 4 x USB 3.0, 4 x USB 2.0, 2 x COM, 1 x SIM Slot, 2 x Lin-out / Mic.-In, 1 x Power Switch, 1 x DC input
Power Supply	Input: 100-240VAC, 50/60Hz; Output: DC 12V/ 5A adapter
Construction	Oxidized Aluminium Case
OS supporting	DOS, Windows 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)	165 x 126 x 56
Ordering Information	
MPCX-MINI	Industrial MINI Computer with Intel® Celeron® 5205U
MPCX-MINI-i5-8	Industrial MINI Computer with Intel® Core™ i5 8260U Processor
MPCX-MINI-i5-10	Industrial MINI Computer with Intel® Core™ i5 10210U Processor
Optional - RAM	8 to 64GB 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 10 Professional , or Win 10 IoT Enterprise 64 bit

Structure Diagram

