

Model: MPCX-WLU-N97, MPCX-WLU-N305, MPCX-WLU-i5/12, MPCX-WLU-i7/12
Industrial Fanless Computer - Intel® 12th Gen. Core™ i3/5/7 CPU



Main Feature

- Fanless Design with oxidized Aluminium Casing
- Ultra Low Power Consumption processor - 12 to 29 watt (Max. TDP)
- VGA + HDMI 2.0 & DP support Triple Display
- 2 x Intel GLAN, 6 x COM ports, 6 x USB 2.0/3.0
- BIOS Set-up “Auto Power-On”, and “Wake on LAN”
- Optional: 6 x GLAN & 4 x COM

Application:

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

Specification

Item	Description			
Product Model	MPCX-WLU-N97	MPCX-WLU-N305	MPCX-WLU-i5/12	MPCX-WLU-i7/12
Processor	Intel® Alder LAKE N97 Quad-Core (up to 3.6GHz)	Intel® Alder LAKE i3 N305 (8 x Core up to 3.8GHz)	Intel® Core™ i5 1230U Processor (10 x Core up to 4.7GHz)	Intel® Core™ i7 1250U Processor (10 x Core up to 4.4GHz)
Chipset	Intel® integrated with processor			
Memory	1 or 2 x DDR4 SO-DIMM Socket up to 32/64GB			
BIOS	AMI 64MB Flash ROM			
Graphic	VGA + HDMI 2.1 & DP, Maximum Resolution 7680x4320@60Hz			
Storage	Space for 1 x 2.5" bay for SSD/HDD, 1 x mSATA for SSD, 1 x M.2 2280			
Audio	HD Audio, Line-Out & Mic.-In			
LAN	2 x Intel® i210 Gigabit LAN Controller			
USB port	2 x USB 3.0 and 4 x USB 2.0			
COM Port	6 x RS 232/485 (Isolated)			
Watch-Dog Timer	Programmable 0 to 255 min, support Hardware Reset			
Expansive interface	1 x Mini PCI-E slot for WIFI & Bluetooth			

I/O port	VGA + HDMI + DP, 2 x RJ45, 2 x USB 3.0, 4 x USB 2.0, 6 x COM, 1 x SIM Slot, 1 x Lin-out / Mic.-In, 1 x Power Switch, 1 x DC input, 1 x Remote PWR
Power Supply	12 - 36 VDC wide range
Construction	Oxidized Aluminium Case
OS supporting	Windows 10 / 11, Linux
Environment	Operating / Storage temperature: -10 °C to 60 °C / 20 °C to 80 °C Storage humidity: 5% to 95%non-condensing Vibration: 17 to 500HZ 1G PTP; Shock: 1G /peak(11m sec)
Safety	CE; FCC; ROHS
Dimension W x H x D	188 x 165 x 66mm

Ordering Information

MPCX-WLU-N97	Industrial Embedded Computer with Intel® N97 Quad-Core (up to 3.6GHz)
MPCX- WLU-N305	Industrial Embedded Computer with Intel® Alder LAKE i3 N305
MPCX- WLU-i5/12	Industrial Embedded Computer with Intel® Core™ i5 1220U
MPCX- WLU-i7/12	Industrial Embedded Computer with Intel® Core™ i7 1250U
Optional (6 x GLAN)	Upgrade to 6 x Intel® i210 Gigabit LAN, 4 x COM
Optional - RAM	8 to 32/64GB DDR4 SO-DIMM RAM
Optional - SSD/HDD	128 GB to 2TB SSD / 500GB to 2TB 2.5'' SATA HDD
Optional - Wifi	WIFI + Bluetooth with Antenna
Optional - OS	Windows 10 /11 Professional , or Win 10/11 IoT Enterprise 64 bit

Structure Diagram

