

## Model: MPCX-MINI-J6412

Intel® Industrial MINI Computer - Intel® Celeron® J6412



## Main Feature

- Fanless Design with oxidized Aluminium Casing
- Ultra Low Power Consumption processor - 10 watt (Max. TDP)
- VGA + HDMI 2.0 support 4K resolution
- 2 x COM ports, 2 x Gigabit LAN, Audio, 4 x USB 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       | <b>MPCX-MINI-J6412</b>                                                                                                                                            |
| Processor           | Intel® Celeron® Processor J6412 (Quad Core, 2.0 to 2.6GHz)                                                                                                        |
| Chipset             | Intel® integrated with processor                                                                                                                                  |
| Memory              | 1 x DDR4 SO-DIMM Socket up to 32GB                                                                                                                                |
| BIOS                | AMI 64MB Flash ROM                                                                                                                                                |
| Graphic             | <ul style="list-style-type: none"> <li>• 1 x VGA, Maximum Resolution 1920 x 1080 @ 60Hz</li> <li>• 1 x HDMI 2.0, Maximum Resolution 4096 x 2160 @ 60Hz</li> </ul> |
| Storage             | Space for 1 x 2.5" bay for SSD/HDD; 1 x M.2 2280 NVME PCIe4/SATA                                                                                                  |
| Audio               | HD Audio for Line-Out & Mic.-In                                                                                                                                   |
| LAN                 | 2 x RJ45, Realtek RTL8111H Gigabit LAN                                                                                                                            |
| USB port / COM Port | 4 x USB 3.0 / 2 x RS 232/485                                                                                                                                      |
| Watch-Dog Timer     | Programmable 0 to 255 min, support Hardware Reset                                                                                                                 |
| Expansive interface | 1 x Mini PCI-E for WIFI & Bluetooth                                                                                                                               |
| I/O port            | VGA + HDMI Port, 2 x RJ45, 4 x USB 3.0, 2 x COM, 1 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                                                                                                            |
| OS supporting       | Windows 10/11, Linux                                                                                                                                              |

|                             |                                                                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment                 | Operating / Storage temperature: -10 °C to 60 °C / 20 °C to 80 °C<br>Storage humidity: 5% to 95%non-condensing<br>Vibration: 17 to 500HZ 1G PTP; Shock: 1G /peak( 11m sec) |
| Safety                      | CE; FCC; ROHS                                                                                                                                                              |
| Dimension W x H x D         | 144 x 126 x 44mm                                                                                                                                                           |
| <b>Ordering Information</b> |                                                                                                                                                                            |
| <b>MPCX-MINI-J6412</b>      | Industrial MINI Computer with Intel® Celeron® J6412                                                                                                                        |
| <b>Optional - RAM</b>       | 8 to 32GB DDR4 SO-DIMM RAM                                                                                                                                                 |
| <b>Optional - SSD/HDD</b>   | 128 GB to 2TB SSD / 500GB to 2TB 2.5'' SATA HDD                                                                                                                            |
| <b>Optional - Wifi</b>      | WIFI + Bluetooth with Antenna                                                                                                                                              |
| <b>Optional - OS</b>        | Windows 10/11 Professional , or Win 10/11 IoT Enterprise 64 bit                                                                                                            |