

# NX6412

Intel Elkhart Lake Processor based Ultra Compact Fanless Mini PC with Dual Display



## Features

- CPU: Intel Elkhart Lake J6412 Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 32GB
- Display via: Intel Integrated Graphics display via 2xHDMI2.0
- I/O Ports: 2xLAN, 2xUSB3.2, 2xUSB2.0, Type-C, SIM
- Ethernet: 10/100/1000Mbps
- Storage: 1x M.2 2242/2280 SSD, SATA optional
- Power: 12V DC-in



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## Introduction

The Maxtang's NX6412 mini-PC incorporated the Intel Elkhart Lake processors, offering you greater computing power with cost advantages. Supports dual-channel SO-DIMM DDR4 up to 32GB, dual independent displays via 2xHDMI2.0. A rich i/o interface includes 2xLAN, 2xUSB3.2, and 2xUSB2.0 to meet most market requirements. It provides an excellent customer experience, and a long-lasting life expectancy for future development.

Based on small form factors, the compact design at 127mm x 127mm x 43.5mm makes it great for space-saving. The NX6412 has 1xM.2 for storage, SATA optional, built-in Wi-Fi and Bluetooth, SIM slot for expansion. Desktop ready for easy installation. It builds with advanced cooling construction with a compact, fanless design and overcomes noise challenges. Its comprehensive connectivity makes it suitable for kiosks, PoS, retail, home, or office uses.



H/W Monitor



Watchdog

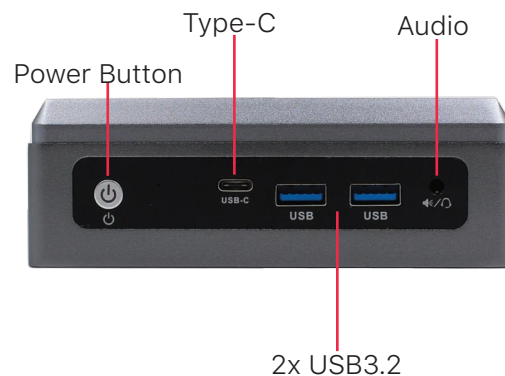


GPIO



Brightness

## I/O Interfaces



Wi-Fi



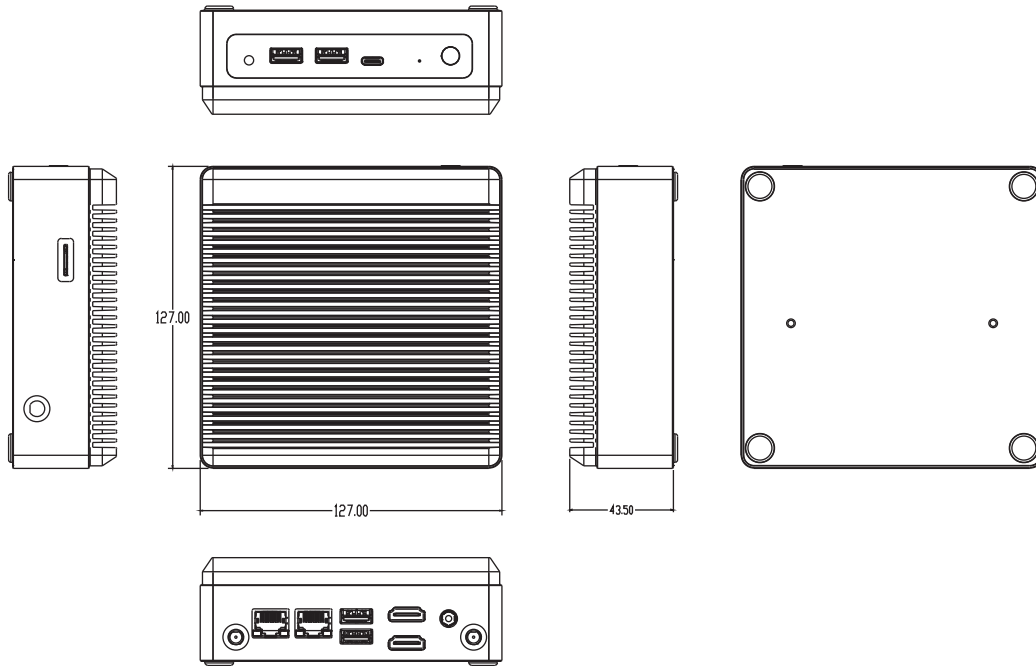
Bluetooth

## Technical Specifications

|                  |                 |  |
|------------------|-----------------|--|
| Processor        | CPU             | J6412  |
|                  | Base Frequency  | 2.00GHz  |
|                  | Burst Frequency | 2.60GHz  |
|                  | Cache           | 1.5MB L2   |
|                  | TDP             | 10W  |
| Memory           | Type            | Dual Channel SO-DIMM DDR4                          |
|                  | Max. Capacity   | 32GB   |
| Display          | GPU             | Intel® UHD Graphics for 10th Gen Intel® Processors |
|                  | Display via     | 2xHDMI2.0  |
| Ethernet         | Speed           | 10/100/1000 Mbps                                   |
|                  | Controller      | RTL8111H   |
|                  | Interface       | 2x RJ45  |
|                  | Wake on LAN     | Yes  |
| Audio            | Audio Codec     | Realtek HD   |
|                  | Interface       | 2-in-1 Audio Jack, Mic-in+Line-out                 |
| Storage          | M.2             | 1xM.2 for 2242/2280 SSD (SATA ONLY) or 4G          |
|                  | SATA            | Optional   |
| Expansion        | M.2             | 1xM.2 for WiFi                                     |
|                  | SIM             | 1  |
| I/O              | LAN             | 2  |
|                  | USB2.0          | 2  |
|                  | USB3.2          | 2  |
|                  | Type-C          | 1  |
|                  | HDMI2.0         | 2  |
| Dimension        | Size            | 127mm x 127mm x 43.5mm                             |
| Weight           | N.W.            | TBD  |
| Power            | Standard Port   | 12V DC-in  |
| Temperature      | Operating Temp. | - 20°C to 60°C                                     |
|                  | Storage Temp.   | - 40°C to 80°C                                     |
| Cooling Method   |                 | Passive  |
| Operating System |                 | Windows 10/11 64bit, Linux 64bit                   |

\* All specifications and photos are subject to change without notice.

## Dimension (in mm)



## Customized options



\* Default without COM



\* Customized options with COM(1xRS232)

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