

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



IoT Solutions
Alliance

Industrial Solution
Builders Specialist

Maxtang[®]

MAXIMIZING YOUR COMPUTING PRODUCTIVITY

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

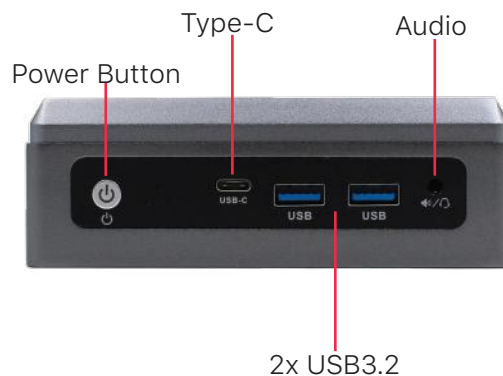


GPIO



Brightness

I/O Interfaces



Wi-Fi



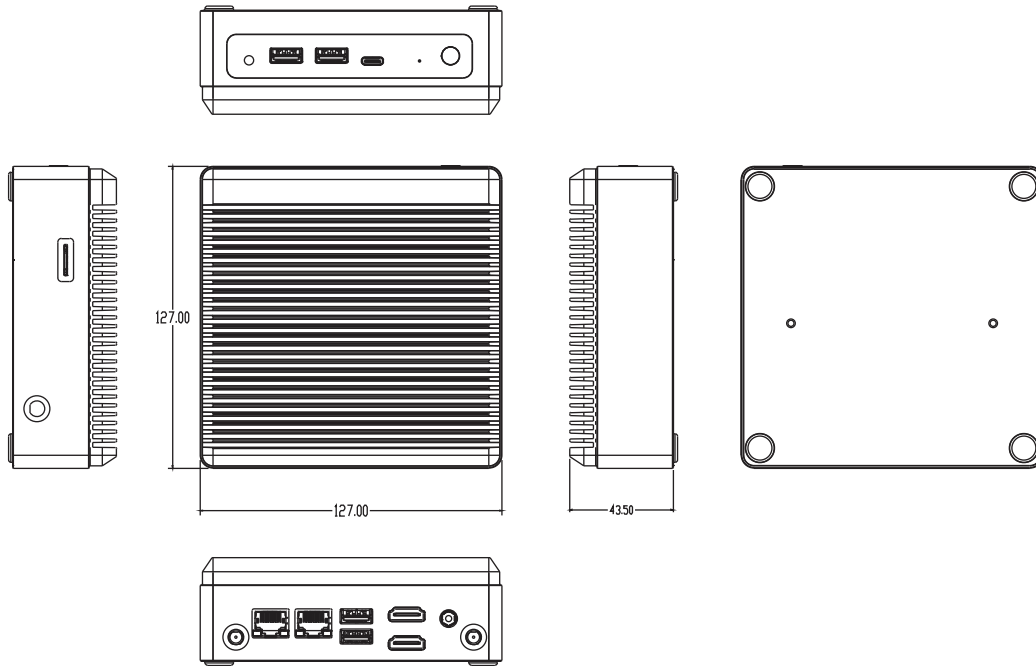
Bluetooth

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)

Copyright © 2022 Maxtang Technology Co. Ltd. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate however, no responsibility is assumed for inaccuracies. Maxtang and the Maxtang logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized.