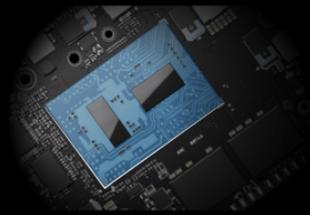# INTRODUCTION

ULTRA PERFORMANCE IN A POCKET SIZE

CPU Intel 11th Gen Mobile Processor N5105
4Cores,4M Cache,Up to 2.9GHz

2X Faster CPU Performance
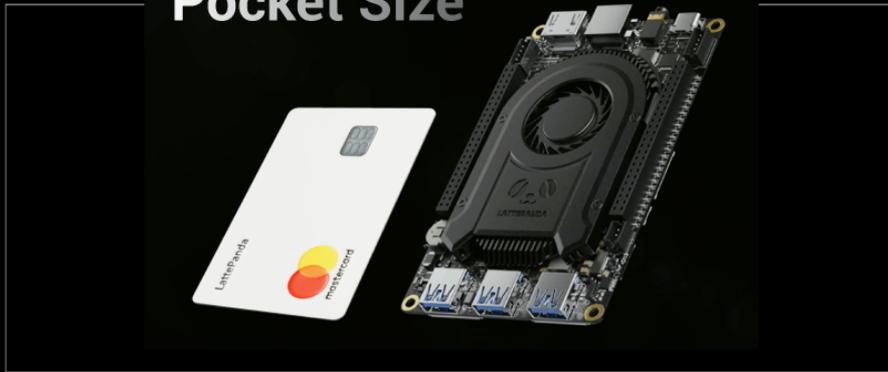
793 LattePanda 3 Delta

370 Previous LattePanda Delta

3X Faster GPU Performance

4551 LattePanda 3 Delta

1530 Previous LattePanda Delta

Pocket Size

FASTER MEMORY LARGER STORAGE

50% larger cooling area

8GB MEMORY
2933MHZ LPDDR4

64GB STORAGE
eMMC V5.1

WI-FI 6
Up to 2.4Gb/s throughput

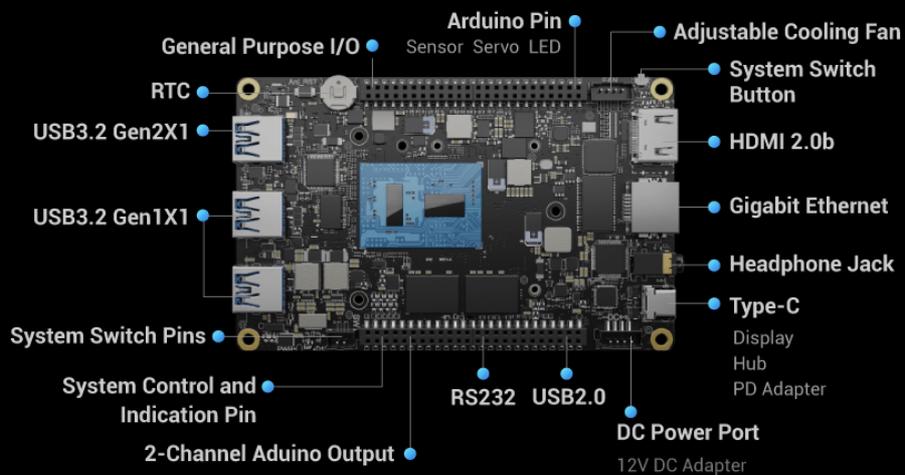**USB 3.2 GEN2 X1**
Up to 10Gb/s data transfer

PICK THE OS YOU LOVE

Support Windows & Linux
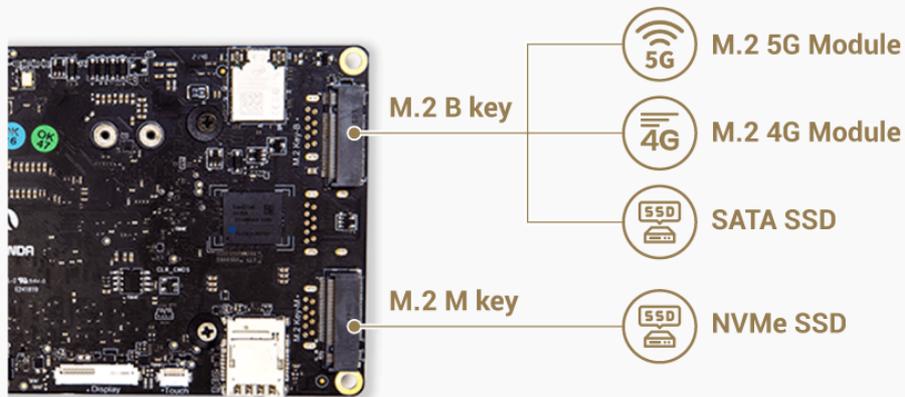
LattePanda 3 Delta supports both Windows 10 and Linux OS. Moreover, Windows can also be run on it.

RICH EXPANDABLE INTERFACES

General Purpose I/O

RTC

USB3.2 Gen2X1

USB3.2 Gen1X1

System Switch Pins

System Control and Indication Pin

2-Channel Aduino Output

Arduino Pin
Sensor Servo LED

RS232 **USB2.0**

Adjustable Cooling Fan

System Switch Button

HDMI 2.0b

Gigabit Ethernet

Headphone Jack

Type-C
Display
Hub
PD Adapter

DC Power Port
12V DC Adapter

DUAL M.2 SOCKETS

M.2 B key

- M.2 5G Module
- M.2 4G Module
- SATA SSD

M.2 M key

- NVMe SSD

TWO MODELS

LattePanda 3 Delta 864

Windows 10 IoT Enterprise

LattePanda 3 Delta 864

With Windows 10 IoT Enterprise License

FEATURES

- **Enhanced CPU performance**, it features the Intel 11th generation mobile quad-core processor N5105 and offers significantly improved performance.
- **Upgraded to 8GB RAM and 64GB eMMC,** substantial high-bandwidth RAM and speedy solid-state drive to smoothly run your multiple applications at once, and ensure seamless performance and reliable multitasking.

- **ULTRA-FAST connectivity**: With a lightning-fast Wi-Fi 6 and Gigabit Ethernet, stream videos or download massive files quickly
- **Higher data transfer rate**: 1 x USB3.2 gen2, 2x USB 3.2 gen1, and 1x USB Type C for high data transfer speed, up to 10X faster than USB2.0
- **Support Dual 4K HDR and 3-Way Video Output,** including HDMI, Display port over USB-C, and eDP for superb flexibility
- **Rich IOs and Integrated Arduino Coprocessor ATmega32U4**, compatible with 200+ sensors and actuators
- Support Windows**(Win 10 and Win 11) & Linux OS**

APPLICATIONS

- Home Theater
- Mini Game Console
- 4K Portable Video Streamer
- Monitoring System

SPECIFICATION

- CPU: Intel® Celeron® N5105
- Core: 2.0~2.9GHz Quad-Core, Four-Thread
- Graphics: Intel® UHD Graphics (Frequency: 450 – 800MHz)
- Memory: LPDDR4 8GB 2933MHz
- Storage: 64GB eMMC V5.1
- Expansion Slots:
      1x M.2 M Key, PCIe 3.0 2x, Supports NVMe SSD
      1x M.2 B Key, USB 2.0, USB 3.0, SIM, SATA(Option support PCIe 3.0 1x), Supports 4G & 5G module
- Connectivity:
      1x Wi-Fi 6 @ 2.4GHz &5 GHz(160MHz)
      1x Bluetooth 5.2
      1x Intel Gigabit Ethernet
- USB Ports:
      2x USB 3.2 Gen1 Type A
      1x USB 3.2 Gen2 Type A
      1x USB Type C, Supports PD, DP, USB 2.0
      1x USB 2.0 Pin Header
- Display:
      1x HDMI 2.0b: Up to 4096x2160 @ 60Hz HDR
      1x DP 1.4: Up to 4096x2160 @ 60Hz HDR
      1x eDP: Extendable Touch Displays up to 1920*1080
- TPM: built-in TPM(2.0)
- Co-processor: Arduino Leonardo ATMEGA32U4
- Audio: Microphone + Headphone Combo Connector

- GPIO & Other Features:
    - 12x Analog Inputs*
    - Up to 23x Digital Input/Output (7 PWM)*
    - 1x UART
    - 1x I2C
    - 1x SPI
    - 1x Audio Connector
    - 1x 4-Pin RS232 Header
    - 1x Fan Port (4 Pin 1.25mm PWM 5V）
    - 1x 4-Pin Header (Power and Switch)
- OS Support: Windows 10 & Windows 11 & Linux
- Dimension: 125 x 78 x 16mm
- Operating Temperature: 0°C~75°C

PROJECTS

Project 1: [LattePanda 3 First look, An All New Powerful X86 SBC And Runs Windows 11!](#)

Introduction: This is a unboxing video, it goes over the specs, and tests some 4k Video playback, PC gaming, and emulation like PSP, PS2, Gamecube, and WiiU.

Project 2: [LattePanda 3 Delta: Powerful Intel CPU SBC](#)

Introduction: LattePanda 3 Delta single board computer review, including full specifications, demos running Windows 10 and Linux Mint 21, and some speed tests.

Project 3: [I Turned The New LattePanda 3 Delta Into A Rugged Cyberdeck](#)

Introduction: This video uses the new LattePanda 3 Delta to build a Cyberdeck that packs up into a rugged, waterproof case that you can take with you almost anywhere.

Project 4: [LattePanda 3 Delta Powered LATTEintosh Mini PC](#)

Introduction: Made a mini PC based around LattePanda 3 Delta entirely from scratch.

Project 5: [WOW! Making a Mini PC Setup | Mini Apple Mac Pro](#)

Introduction: Hey Guys, in this video I'll show you how i made this Mini Computer and i try to give it the look of an Apple Mac Pro. i hope you will like it. .

DOCUMENTS

- [Product wiki](#)
- [Powering LattePanda 3 Delta](#)
- [FAQ](#)
- [Operating Systems](#)
- [Display and Touch Connections](#)
- [3D File](#)
- [CE/FCC/RoHS/KC Certifications](#)

SHIPPING LIST

- LattePanda 3 Delta x1
- Active Cooling Fan (Assembled) x1
- 45w PD Power Adapter (with EU & US Standard Power Cord) x1
- Dual-band Antenna x2
- RTC Battery (Assembled）x 1
- User Manual x 1