Product Name: LattePanda Delta 432 – Tiny Ultimate
Windows / Linux Device 4GB/32GB

Recommended Products:
FIT0550 Titan case for LattePanda Alpha & Delta
FIT0551 7inch eDP touch display
FIT0552 Streaming cable
FIT0476 10inch HDMI/VGA/AV Display

Introduction

Delta Edition - Mathematical Character △; a triangle. In terms of product design, performance, and price, it signals a compromise between the three. It keeps the perfect balancing, while balancing best reflects the beauty of engineering.

The Delta Edition uses Intel 8th generation Celeron N4100 processor which is the perfect choice in terms of features and price as a main robotics controller, interactive project core, IoT edge device or AI brain. So LattePanda Delta is still the x86 based SBC design. We have shrunken the computing monster from the size of a laptop to the size of a phone.
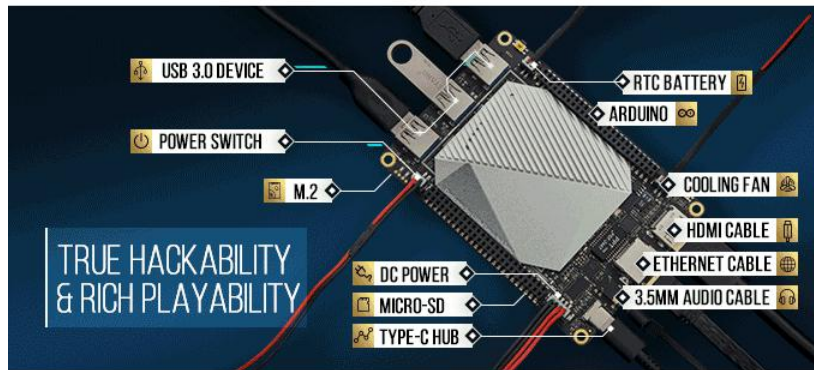

We are shipping Windows 10 Pro this time but we have also added Linux Compatibility, Windows and Linux dual OS support. Because we saw the different needs of users from our 1st Gen products.
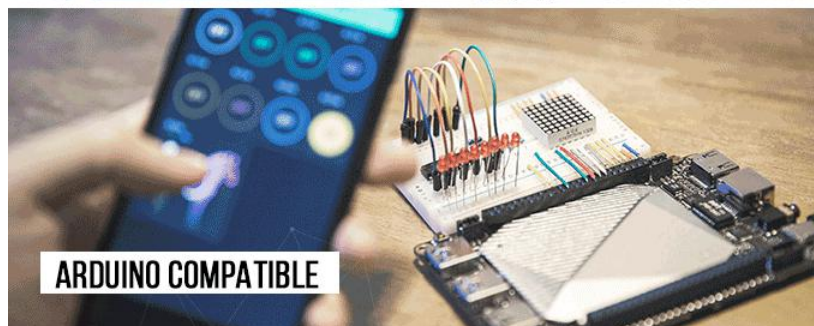
UP TO 42 EXPANDABLE INTERFACES
TRUE HACKABILITY AND RICH PLAYABILITY

USB 3.0 DEVICE
POWER SWITCH
M.2
DC POWER
MICRO-SD
TYPE-C HUB

RTC BATTERY
ARDUINO
COOLING FAN
HDMI CABLE
ETHERNET CABLE
3.5MM AUDIO CABLE

TRUE HACKABILITY & RICH PLAYABILITY

INTEGRATED ARDUINO
As Always comes with a Coprocessor

DUAL M.2 PORTS
Supports NMVe SSDs
Supports PCIe

USB TYPE C
USB Power Delivery
Supports Multiple

USB 3.0
3 USB 3.0 Ports
Supports High Speed USB Peripherals

2 x 50P
Embedded Pin Headers
Everything you need for Industry
Compatible with thousands of sensors

AUDIO & MICRO SD
Comes with the Fundamentals
3.5mm Audio with microphone

DUAL M.2 CONNECTOR
UNLIMITED PERFORMANCE POTENTIAL
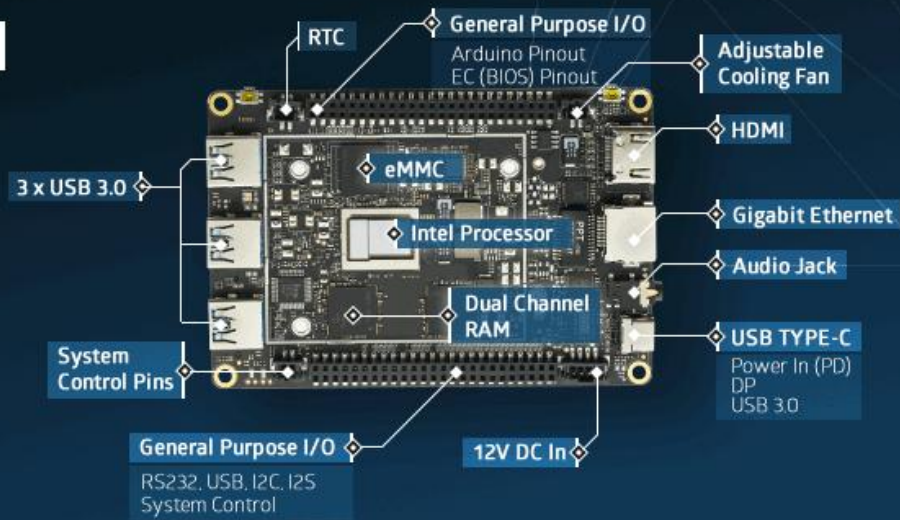

ARDUINO COMPATIBLE

The Streaming Cable enables your Windows-enabled LattePanda device to act like a USB on a Mac or Linux system. Just plug & play into your Apple/Linux device! The PiP (Picture in Picture) form also eliminates the switching/use of dual mouse and HDMI to connect different systems for seamless interaction.
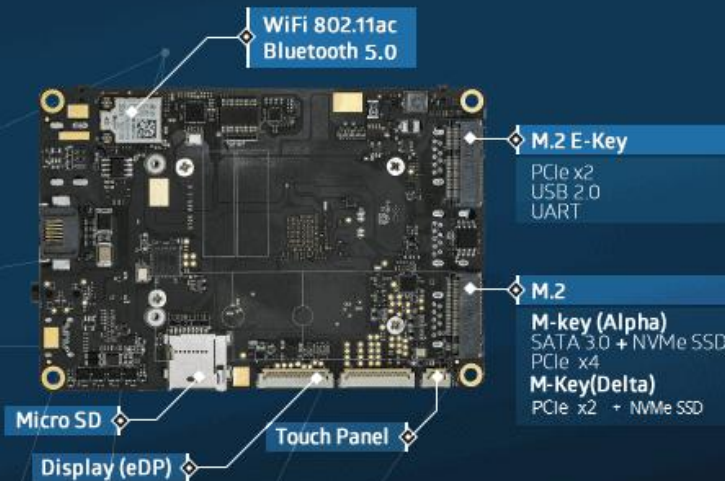
FEATURE DIAGRAM

FRONT

- RTC
- General Purpose I/O
  - Arduino Pinout
  - EC (BIOS) Pinout
- Adjustable Cooling Fan
- HDMI
- 3 x USB 3.0
- eMMC
- Intel Processor
- Gigabit Ethernet
- Audio Jack
- Dual Channel RAM
- System Control Pins
- General Purpose I/O
  - RS232, USB, I2C, I2S
  - System Control
- 12V DC In
- USB TYPE-C
  - Power In (PD)
  - DP
  - USB 3.0

BACK

- WiFi 802.11ac Bluetooth 5.0
- M.2 E-Key
  - PCIe x2
  - USB 2.0
  - UART
- M.2
  - M-key (Alpha)
  - SATA 3.0 + NVMe SSD
  - PCIe x4
  - M-Key(Delta)
  - PCIe x2 + NVMe SSD
- Micro SD
- Display (eDP)
- Touch Panel

Features

- Solid Spec and Extreme Design
- Dual OS Support – Windows / Linux Both
- Ultimate Networking on Cloud and Things
- Up to 42 Extendable Interfaces bring Rich Playabilities
- Ultra-Thin Design, Minimizing Space Occupation
- Rebuild How to Code Efficiently with Multiple OS

Specification

- CPU：Intel 8th Gen Celeron Processor N4100
- Core：1.1-2.4GHz Quad-Core，Four-Thread
- Benchmark (PassMark): Up to 1800+

- Graphics：Intel UHD Graphics 600, 200-700MHz
- RAM：4G LPDDR4 2400MHz Dual-Channel
- Memory：32GB eMMC V5.01
- External Memory：
   1x M.2 M Key, PCIe 2x, Supports NVMe and PCIe SSD
   1x M.2 E Key, PCIe 2x, Supports USB2.0, UART
- Connectivity： WIFI 802.11 AC, 2.4G & 5G
   Dual Band Bluetooth 5.0
   Gigabyte Ethernet
- USB Ports： 3x USB 3.0 Type A
   1x USB Type C, supports PD, DP, USB 3.0
- Display： HDMI Output
   Type-C DP Support
   Extendable eDP touch displays
- Co-processor: Arduino Leonardo
- GPIO & Other Features: 2x 50p GPIOs including I2C, I2S, USB, TTL, UART, RTC, Power Management，Extendable power button, everything you need
- OS Support： Windows 10 Pro Linux Ubuntu

Shipping List

- LattePanda Delta 432   x1
- Free Gift - Active cooling fan x1
- Free Gift - 45w PD Power adapter x1

Documents

- wiki
- LattePanda Website