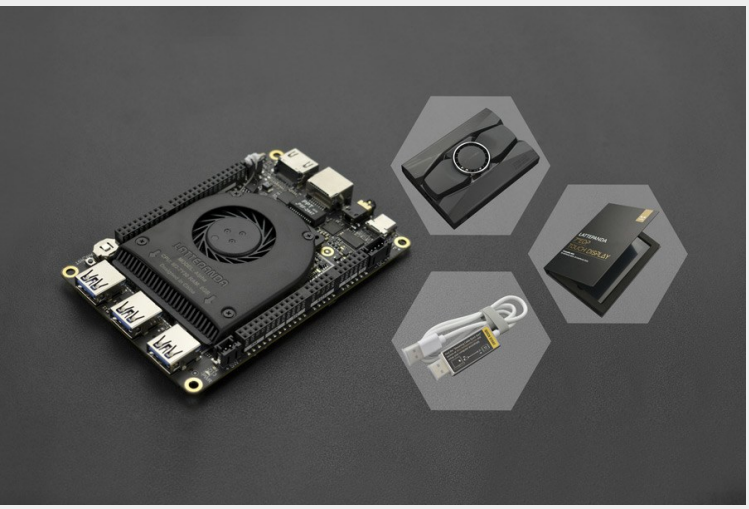
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LattePanda Alpha 864s with Titan Case & Streaming Cable & Touch Display

SKU:DFR0546-1 Brand:LattePanda Reward Points: 2635

* Model: Alpha 800s | Alpha 864s | Alpha 864s (Win10 Pro activated) | 800s+Case+Cable+Touch Display | 864s+Case+Cable+Touch Display | Alpha 864s (Win10 Pro activated) with Case&Cable&Touch Display

Quantity: - +

ADD TO CART

Frequently Bought Together

LattePanda Alpha 86 4s with Titan Case & Streami... uch Display + Pure Copp... Pack x 5 + 7 inche... Alpha&Delta + 30PIN 15C... Display + Aluminum Al... & Delta =

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INTRODUCTION

Note: This product includes LattePanda Alpha 864s, Titan Case, Streaming Cable, and Touch Display.

LattePanda is a high performance, palm-sized SBC (single board computer) with low power consumption that runs full Windows 10 or Linux operation system. It is widely used in edge computing, vending, advertising machine, industrial automation, etc. Whether you're a DIY maker, IoT (Internet of Things) developer, system integrator, or solution provider, LattePanda is your powerful development board that can empower creation and accelerates your productivity.

LattePanda Alpha

Key Feature

- **Intel® Core™ M3-8100Y,** Dual-Core, 1.1-3.4GHz
- Intel® UHD Graphics 615
- **8GB** Memory
- **Dual-Band 2.5GHz/5GHz Wi-Fi** & Bluetooth 4.2 & Gigabit Ethernet
- **USB3.0 x3, USB Type-C x1**
- **2 x M.2 PCIe** (Support B&M Key and A&E Key)
- Support Windows 10 & & Linux OS
- Integrated Arduino Coprocessor ATMEL 32U4
- Powered by PD adapter / 12V DC / 7.4V battery

The **LattePanda Alpha,** based on Intel Core™ m3-8100Y, is a Dual-Core 1.1GHz CPU that bursts up to 3.4GHz, Intel® UHD Graphics 615 integrated into the processor deliver enhanced media conversion, fast frame rates, and 4K Ultra HD (UHD) video. All of this computing power dissipates only 8W power, which is the perfect choice in terms of features and price as the main robotics controller, interactive project core, IoT edge device, or AI brain.

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LattePanda CPU

The LattePanda is perfect for makers alike who need a small, portable, and light SBC for their ultimate project! DIY project running the Windows or Linux, LattePanda SBC has been a popular hit and choice for many people who wish to enjoy playing all of their old and new favorites from one small, powerful system. Given its incredibly small size, it can be easily hidden, functioning as the secretly powerful brains behind your coolest project ever.

LattePanda Alpha Size

LattePanda pre-installed **Win10 pro** operating system but also supports Linux. We have the complete installation tutorial in our Docs and provide the latest version support in time.

LattePanda Alpha Win10 Pro

LattePanda Alpha LINUX OS

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LattePanda Alpha 42 Ports

Embedded DisplayPort (commonly referred to as eDP) is a full-digital interface based on the VESA DisplayPort architecture and protocol, which can use simpler connectors and fewer pins to transmit high-resolution signals as well as allow higher transmission speeds as opposed to LVDS cables.

Another benefit of eDP interface is that they allow you to easily connect your LattePanda directly to an LCD.

Type-C interface allows the seamless connectivity of data, PD power supply, and 4K video output, which not only solves the problem of messy desktop wires but also makes it more convenient to transfer equipment. With more efficient transmission capacity, richer expandability, simple and convenient connection, it has become one of the world's consumer electronics standards.

There are two **M.2 PCIe connectors** (B&M Key and A&E Key), which enable various expandable capabilities including SSD, GPU, Wired, and Wireless Network.

In addition, LP has more types of interfaces, which can be directly connected with, for example, HDMI and Internet cable. Independent USB 3.0 interfaces can be connected to USB2.0 & 3.0 devices. No need for additional docking stations to connect to peripherals, LP can be embedded in your project like a plug-in device. Say goodbye to your bulky laptop!

The teams here at LattePanda have worked hard to provide careful and thorough guides and documentation for our products, and their effectiveness has become amplified by **our strong community** of LattePanda users who have made posts, threads, and contributions to others in the community. With our combined strength, no project is out of reach for any user!

Comparison Tables

Model	CPU	Core	Memory	Storage	Operating System
LattePanda Alpha 800s	Intel Core M3-8100Y	2	8 GB	0GB	N/A
LattePanda Alpha 864s	Intel Core M3-8100Y	2	8 GB	64GB	N/A
LattePanda Alpha 864s (Win10 Pro activated)	Intel Core M3-8100Y	2	8 GB	64GB	Windows 10 Pro Activated

SPECIFICATION

- CPU: Intel Core m3-8100y
- Core: 1.1-3.4GHz Dual-Core, Four-Thread
- Benchmark (PassMark): Up to 4128, double computing power compared with same price range products in the market
- Graphics: Intel HD Graphics 615, 300-900MHz
- RAM: 8GB LPDDR3
- External Memory:

  1x M.2 M Key, PCIe 4x, Supports NVMe SSD and SATA SSD

  1x M.2 E Key, PCIe 2x, Supports USB2.0, UART, PCM

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- Connectivity:

  WIFI 802.11 AC, 2.4G & 5G
  Dual-Band Bluetooth 4.2
  Gigabit 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, RS232, UART, RTC, Power Management, Extendable power button, everything you need
- OS Support:

  Windows 10 Pro

  Linux Ubuntu

- Dimension: 115mm * 78mm * 14 mm

DOCUMENTS

- LattePanda official community
- LattePanda Documentation
- FCC/CE Certifications
- Tutorial: Install Linux
- Tutorial: Adjust Cooling Fan

SHIPPING LIST

- LattePanda Alpha 864s x1
- Streaming Cable x1
- Titan case x1
- 7"eDP Touch Display 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

REVIEW

Having done a few things with raspberry pi, Linux on pc's and Tosh stuff this has more potential in learning as well as usefulness than anything yet for its size. Can't wait for the next gizmo to present itself from LattePanda!

★★★★★

Mark. 10/03/2021

FAQ

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