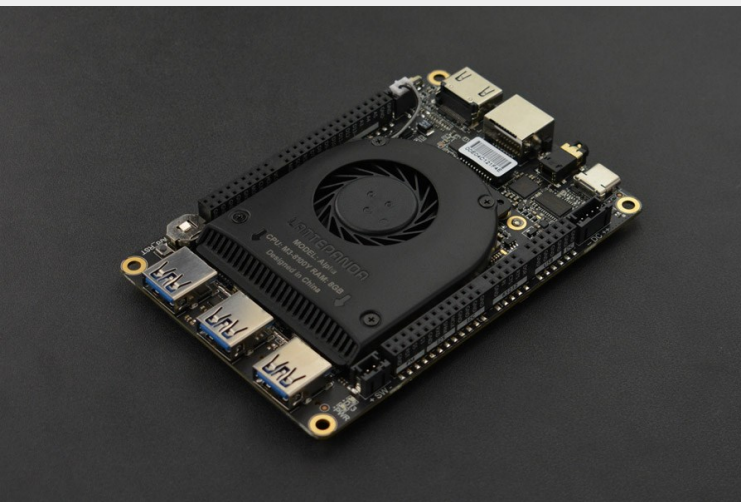


[Development Boards](#) / [LattePanda Dev Board](#) / [LattePanda Alpha 864s – Tiny Ultimate Windows / Linux Device](#)



LattePanda Alpha 864s – Tiny Ultimate Windows / Linux Device

SKU:DFR0546

Brand:LattePanda

Reward Points: 2045

* 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

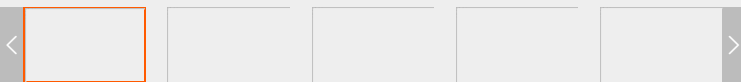
Quantity:

- +

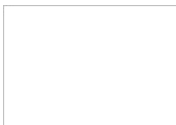
ADD TO CART



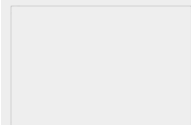
+ 68



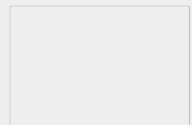
Frequently Bought Together



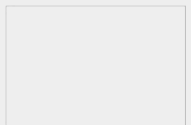
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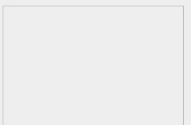
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You have chosen:0
Total amount:

BUY IT NOW

INTRODUCTION



Alpha Edition - Generally refers to the leader in a wolf pack, α / Alpha. It will also be the leader in the **LattePanda** series, the most powerful in performance. Known as the leader of the Pandas, or "AlphaPanda" for short.

LattePanda Alpha 864 – A hackable computer

The Core m3 processor is the perfect choice for superior performance and low power consumption.
We have shrunk this computing monster from a laptop to the size of a phone.

LattePanda Alpha 864 – Word first Win 10 Mini Computer

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.

LattePanda Alpha 864 – Feature with Windows

LattePanda Alpha 864 – Feature with Linux

LattePanda Alpha 864 – Cloud networking

LattePanda Alpha 864 – Dimension

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 of two different systems.

LattePanda Alpha 864 – Windows Device Support

LattePanda Alpha Review by ExplainingComputers LattePanda Alpha: Windows & Linux SBC



Play PUBG with this Powerful Single Board Computer LattePanda Alpha



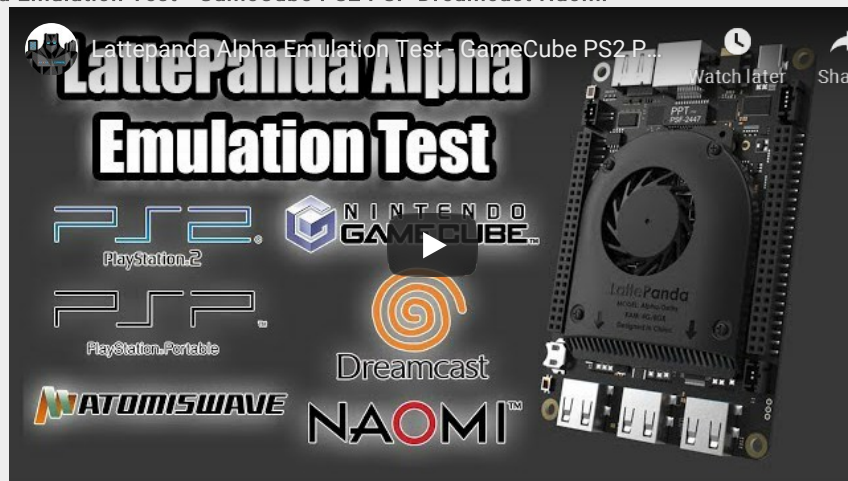
The LattePanda Alpha First Look and PC Gaming Test



LattePanda Alpha External GPU Nvidia GT1030 - eGPU Test



LattePanda Alpha Emulation Test - GameCube PS2 PSP Dreamcast Naomi



1050ti LattePanda Alpha eGPU Test + Latte Panda Alpha Giveaway!



LattePanda Alpha Hackintosh macOS 10.14 Mojave - Smallest Hackintosh



RetroPie On The LattePanda Alpha - PS2 Gamecube Dreamcast PSP Test



LattePanda Alpha Review by Novaspirit Tech



Guide: LattePanda Alpha Hackintosh Intel M3-7Y30



LattePanda Alpha: Shenanigans with a powerful Single Board Computer



LattePanda Alpha 864s Review - How to Setup & Performance Test (PUBG Gameplay included)



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 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: 8G LPDDR3
- Memory: 64GB eMMC V5.0l
- 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
- 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

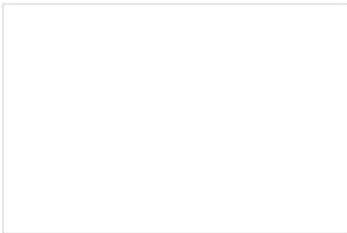
DOCUMENTS

- [LattePanda Website](#)
- [Certifications](#)
- [Tutorial: Adjust Cooling Fan](#)

SHIPPING LIST

- LattePanda Alpha 864 x1
- Free Gift - Active cooling fan x1
- Free Gift - 45w PD Power adapter x1

TUTORIAL



LattePanda Alpha Delta Selection...

LattePanda

2019-12-02 07:24:30

REVIEW



n the discussion...

**EventHorizon** • 2 years ago

Whyyyyyyy? Why did you pair so much processing power with such a weak microcontroller????? One 8-bit uC with a 10-bit ADC capable of acquiring only 15 ksp/s? You should have chosen a mid-range if not a high performance 32 bit uC based on ARM Cortex-M4 or even M7! If IoT and robotics is your targeted market, it is a bloody shame... this product could have been so much better for essentially the same price.

Don't get me wrong, the 8-bit Arduinos paired with the Arduino IDE are great for low budget, toy projects. But when you get to \$3-400, it's time to kick the 8-bit, 16 MHz uC out in favor of something more powerful.

5  • Reply • Share >**Kevin wiley** → EventHorizon • 2 years ago

i would say physical space was the limiting factor here. its nice to have this feature at all really

1  • Reply • Share >**Farley Moab** → EventHorizon • 2 years ago

Wonder what the interconnect is between main proc and micro. I2C? SPI? nothing?

 • Reply • Share >**DFRobot Support**  → Farley Moab • 2 years ago

They connect through USB serial port.

 • Reply • Share >**NerdiousOfTechwood** → EventHorizon • 2 years ago

Yeah, Arduino is nice, but STM32 wouldn't hurt, and would be a nice upgrade for the same price. I like Arduino, but I wish STM32 got more love from the DIY scene. I'm not ultra savvy in SoC or microcontroller boards, but it's pretty much on par with Arduino as far as incorporating it into a project; not too tough to get up and running on the Arduino IDE, and is compatible with many Arduino libraries. Much faster, higher precision, and consumes about the same amount of energy as the Arduino.

 • Reply • Share >**Farley Moab** → NerdiousOfTechwood • 2 years ago

arduino is a platform, the chip is atmel, now microchip. The Mega2560 or newer would have been better, the high end chip instead of the lower end one in leonardo.

1  • Reply • Share >**徐喵喵** • 2 years ago

Does the LattePanda Alpha 864 – Tiny Ultimate Windows / Linux Device (Pre-Order) have to be shipped internationally to Taiwan?

How much is international shipping?

3  • Reply • Share >**Sam** → 徐喵喵 • 2 years ago

I ordered in 12 July 2018. Yes exactly how long should we need to wait? I have sent an email to DFRobot customer service and ask for their updates. DFRobot should have compensate our loss. And this is causing everyone loss in confidence in DFRobot. The delay is not caused by customers' and DFRobot should have response and give us an explanation.

To

DFRobot Support

CC / BCC

Re: [DFRobot] Re: Re: [DFRobot] Re: Order ID# status update.

Dear Customer Service,

If so, I suggest you should have informed or update all your customers first and not keeping your customers such as me to wait long enough and ask for updates.

This will cause your customers lost in confidence in DFROBOT services as you cannot delivered in time.

Also, kindly let me know when exactly which date will my orders be available and delivered.

Thanks.
Sam.

On Wednesday, September 5, 2018, 10:09:12 AM GMT+8, DFRobot Support <store@dfrobot.com> wrote:

^

• Reply • Share >

↓



Maurizio Ferrara → Sam • 2 years ago • edited

Sie haben kürzlich zollpflichtige Waren bestellt bei Bai Dongmei.

Absender: Bai Dongmei

Bestellte Waren: LATTE PANDA SINGLE -BORAD COMPUTER

Gesamtsumme: USD299.00

Durch die Zollabfertigung sind die folgenden Kosten entstanden. Bitte bezahlen Sie diese Gebühren umgehend, damit Ihnen das Paket zugestellt werden kann. Die Zahlung geht dabei an CC Collect Limited, den autorisierten Agenten von DPD.

Fällige Gebühren:

Zölle	£6.63
Einfuhrumsatzsteuer	£50.48
Zollabfertigungsgebühr	£12.36
Gesamtsumme	£69.47

Hi Guys, I'm really frustrated and he is indignant about the additional delivery cost for the DPD. I pay over 90\$. Just to warn before you fall into the trap.

^

• Reply • Share >

↓



DFRobot Support Mod → 徐喵喵 • 2 years ago

Yes, but you can choose ShunFeng, it would be cheaper.

^

• Reply • Share >

↓



Saud Alarifi • 7 months ago

will LattePanda Alpha 864s play 4k video files on a 65 inch tv without stuttering or getting slow ?

2 ^

• Reply • Share >

↓



DFRobot Support Mod → Saud Alarifi • 7 months ago

Hi, it's support. we suggest you could choose the USB-C to connect. The effect will be better.

^

• Reply • Share >

↓



Joez • a year ago

Hello,

I'm checking if it will be compatible with "UP AI Core XM 2280", which has a M-key, M.2 2280 form factor.

Thanks in advance

2 ^

• Reply • Share >

↓



Enrique • 2 years ago

Great job!

I would really like also to see a version with 8/16/32/64 GB of RAM for on-premise kubernetes/OpenShift mini-clusters (and without the HDMI, USB, WiFi, to save money, just PXE support).

Notice IT departments must pay right now about **150\$ per month** for a single VPS computer in AWS o Azure with "just" 16GB of

RAM (and shared virtualized hardware with unreliable performance).

Certainly much cheaper cloud options (like OVH.com) exists. But still having the possibility to mount a local cluster of LattePanda locally (with its Gigabyte ethernet connection!!!) will save lot of money and headaches to IT departments that are moving to kubernetes/OpenShift and wants to deploy on commodity hardware.

I'm sure that if dfrobot contacts the RedHat, their excellent engineering team will be glad to help them construct such OpenShift cluster for on-premise deployments.

Regards,

Enrique

4 ^ · Reply · Share >

↓
2



lomelyo → Enrique · a year ago

Calling AWS unreliable is just plain wrong and I don't understand why would you recommend a hobbyist product against cloud solutions with server grade hardware and ECC memory.

To think hobbyist hardware will save money and headaches to IT departments is wrong in so many levels. There are small fast low power Xeon servers with ECC memory that are better suited for the job.

Sorry, if I seem harsh, but it bothers me that your comment is upvoted because you are sharing information that is wrong, and people seem to believe you.

1 ^ · Reply · Share >

↓



darkmore industries · 7 months ago · edited

Hi, just to be 100% sure, if I would order an Alpha 864 right now, it would come with m3-8100y, 8GB LPDDR3 1866 with 2 Memory Channels?

I'm always finding different descriptions of the m3-8100y, possibly faulty descriptions. Please clarify, thank you.

1 ^ · Reply · Share >

↓



Andy Tomin · a year ago

Hello DFRobots! What is the estimated order fulfilment time for now on?

1 ^ · Reply · Share >

↓



DFRobot Support Mod → Andy Tomin · a year ago

Thanks for your interest Andy! The LattePanda's are in stock and we can begin shipping immediately. The exact fulfillment time is dependent on your specific shipping needs. You can email store@dfrobot.com to get a detailed breakdown if necessary.

^ · Reply · Share >

↓



Kageve Gonswic · 2 years ago

I presume that orders now will ship on the 25th December?

1 ^ · Reply · Share >

↓



DFRobot Support Mod → Kageve Gonswic · 2 years ago

Lattepanda Alpha is our pre-order product and expected to be available in late December (around 25th). We will ship order when items are available. Thank you for patience.

^ · Reply · Share >

↓



Techno MasterDude · 2 years ago

When in August will they ship?

1 ^ · Reply · Share >

↓
1



DFRobot Support Mod → Techno MasterDude · 2 years ago

The first batch will be available at the end of July. It may be arrived in early or middle August based on the sequence of your order.

^ · Reply · Share >

↓



Travis BroForce Richard · 2 months ago · edited

DFROBOT, What's the fastest CPU you could put in a board like this ? How much cheaper would it be with out the Arduino crap on the board and higher end ports, USB - C, Display port. Optical audio out. I'd love to see this paired with a low profile 1050-1060 card with a power brick. for the ultimate Mini Gaming PC.

DEAM SETUP

Quad Core - 8 Threads

16GB onboard Ram

16GB onboard ram.
64GB onboard storage.
1 x NVMe SSD up to 1TB
Display Port
USB - C
Optical out Audio port.
4 x USB 3.0
1050-1060 Low Profile 4GB video card FULL 16X PCIE
Case + Power Supply
\$650.00

^ · Reply · Share >



KingD · 3 months ago

Will the Alpha be updated with the Intel® Core™ i3-10110Y Processor?

Since this is the successor to the Intel® Core™ m3-8100Y Processor and according to Intel only \$6 more expensive... I would gladly pay u guys \$6 more for a 10th gen i3 :)

I have the LP V1.2 2/32 for entertainment and want to upgrade it to the Alpha since Windows support on the LP1 is slowly fading away since version 1909. In Windows 2004 video playback is very laggy and rip youtube

^ · Reply · Share >



DFRobot Support Mod → KingD · 3 months ago

Hi, please contact our lattepanda team through admin@lattepanda.com to get the answers regarding your technical questions.

^ · Reply · Share >



HungryC 86 · 6 months ago

were can i buy a replacement power supply my parrot got to it and i cant find it in the store and do not want to buy something that will destroy it

^ · Reply · Share >



DFRobot Support Mod → HungryC 86 · 4 months ago

You can get it form this link:

<https://www.dfrobot.com/pro...>

<https://www.dfrobot.com/pro...>

^ · Reply · Share >



Francis · 6 months ago

Can you power this SBC with a USB-C Power Bank? If so, any specific recommendations?

^ · Reply · Share >



DFRobot Support Mod → Francis · 4 months ago

Yes, ensure that the output is 5v, and the current can support the equipment you use.

^ · Reply · Share >



Christos Demetriou · 6 months ago

Hello,

Do i need to buy separately SSD and RAM for LattePanda Alpha 864?

^ · Reply · Share >



Teerapan Howpinjai · 8 months ago

LattePanda Alpha 864 with m3-7y30 are still available to purchase?

^ · Reply · Share >



DFRobot Support Mod → Teerapan Howpinjai · 8 months ago

not available, Alpha 864 with m3-7y30 has been discontinued already. We upgraded it to Alpha 864s with m3-8100y.

^ · Reply · Share >



Ehsan Aziz · 10 months ago

i am a youtuber from PAKISTAN and there is no oe who is making video like me in PAKISTAN so please if someone send this product to me i will create a video on this please

contact me on my gmail : seatech9600@gmail.com

^ · Reply · Share >





DFRobot Support Mod → Ehsan Aziz • 10 months ago

Pakistani are our great friends,i will ask my boss if we can give you one.I I can't decide
Thank you.

^ • Reply • Share >



Ehsan Aziz → DFRobot Support • 10 months ago

Thanks i will wait for you

^ • Reply • Share >



Ehsan Aziz • 10 months ago

please will you sponser this to me i really wanna make a great video on this
my gmail is seatech9600@gmail.com

^ • Reply • Share >



Anton Prafanto • a year ago

please process my order immediately, with the Order ID number: # 179470
Because I already paid.
Thank you

^ • Reply • Share >



DFRobot Support Mod → Anton Prafanto • a year ago

Sorry

You can send one email to store@dfrobot.com

^ • Reply • Share >



Risuv PostMortem • a year ago

with my order placed on the 12th of august i was expecting for it to ship in September. however i havent seen anything to tell me my
order was shipped. or any update telling me when it will be shipped. i understand on this page it says when the pre orders will be
shipped, and that it changes month to month. but my order has been waiting past two of these changes. from "will be shipped end of
sep" to "will be shipped end of oct". i really want to get my hands on the board as soon as i can, could anyone help me find out when
my order will be shipped?

^ • Reply • Share >



DFRobot Support Mod → Risuv PostMortem • a year ago

Sorry, but I don't have information regarding this feature yet.

However, I believe there will be more updates in the future, unfortunately, I can't give you date.
please contact store@dfrobot.com to ask

^ • Reply • Share >



Raffybrony • a year ago

Can this video be added?



^ • Reply • Share >



DFRobot Support Mod → Raffybrony • a year ago

I will pass this onto the LattePanda team! Thanks for sharing!

^ • Reply • Share >



Raffybrony • a year ago • edited

Would a 30W usb C connection be enough for the lattepanda under full load, with Bluetooth and Wifi on and with mouse, keyboard, an external ssd connected to usb 3 (so no sd card), and a m.2 m key to pci express adapter (with psu connected to the gpu) connected.

Also, can you boot via usb?

^ • Reply • Share >



DFRobot Support Mod → Raffybrony • a year ago

Hey Raffybrony,

I suggest you check out our official documentation to understand the power needs for the device at : <http://docs.latepanda.com/>... Unfortunately you would need a minimum of 36V.

^ • Reply • Share >



Raffybrony → DFRobot Support • a year ago

Thank you, and can you boot from usb

^ • Reply • Share >



DFRobot Support Mod → Raffybrony • a year ago

You can boot Widnows IoT core from a USB. For full compatibility, you can reach out to admin@lattepanda.com and they can further assist you.

^ • Reply • Share >



Ricardo Gonzalez • a year ago

Are there any updates on when these will ship? I "pre-ordered" last month, and it's now July 16th, with no updates in sight. My employer is getting frustrated, since this was going to replace his everyday computer but has nothing to show for his payment. What's the scoop?

^ • Reply • Share >



DFRobot Support Mod → Ricardo Gonzalez • a year ago

Hi,

For the customer who pre-ordered last month, We have started shipping in the order of the date of order placed.

^ • Reply • Share >



Ricardo Gonzalez → DFRobot Support • a year ago

Thanks for the reply, but a) this is vague and b) it contradicts what you told someone else last week. In a message dated July 8th, you told a customer that pre-orders from early May would ship in August. I ordered my on June 1st, so I'm not really sure what to expect here. I guess I'll have to stall my boss for a little while longer and see what happens. I was really excited to get my hands on this device, but now I'm just at the point where I just need it to placate my boss.

^ • Reply • Share >



DFRobot Support Mod → Ricardo Gonzalez • a year ago

Hi Ricardo,

Could you please send an E-mail with your order ID to store@dfrobot.com?

^ • Reply • Share >



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DISQUS

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Your email address



Like us on



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