

LattePanda Alpha 800 – Tiny Ultimate Windows / Linux Device

SKU:DFR0545

INTRODUCTION

LattePanda Delta is currently under the status of Pre-order and will be shipped in September. All pre-orders will be sent along with two free gifts - Active cooling fan & 45w PD Power adapter.

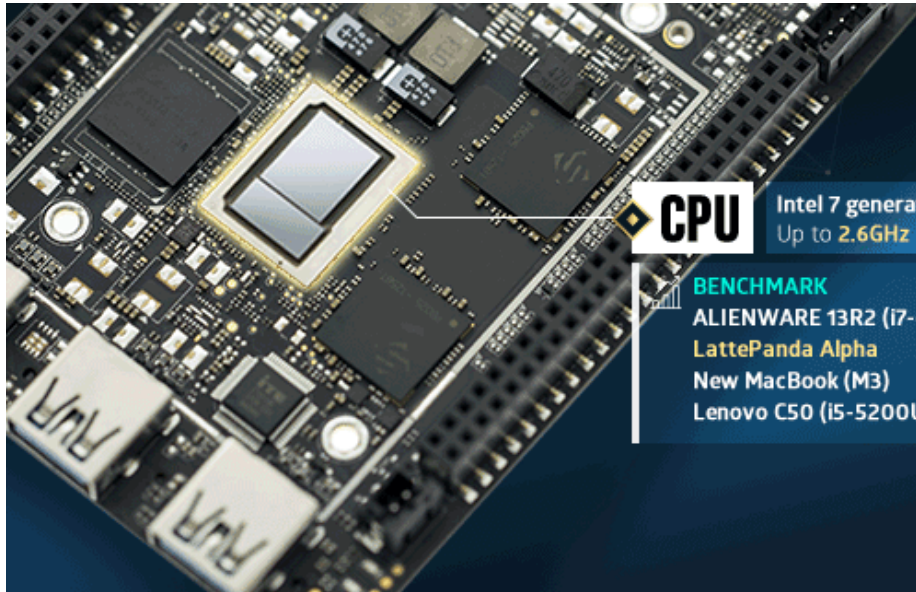


Alpha Edition - Generally refers to the leader in a wolf pack, α / Alpha. It will also be the leader in the LattePanda series, the most powerful in performance. Known as the leader of the Pandas, or "AlphaPanda" for short.



The Alpha Edition uses the same Intel 7th generation Core m3 processor as the latest MacBook. The Core m3 processor is the perfect choice for superior performance and low power consumption.

We have shrunken this computing monster from a laptop to the size of a phone.



CPU Intel 7 generation Core Processor
Up to **2.6GHz**

BENCHMARK

ALIENWARE 13R2 (i7-6500U)	4428
LattePanda Alpha	3801
New MacBook (M3)	3527
Lenovo C50 (i5-5200U)	3497

AN EMBLEM OF PERFORMANCE EMBODYING THE BEST



8 RAM
GB

Dual-Channel RAM design
Double R/W Speed
LPDDR3 Achieves a data
rate of **1866 MT/s**



Built-in
EMMC 5.0
Memory

Blazing read /write speeds
as a result of the speed boost
Optional **32GB/64GB** built-in
memory
Supports NVMe SSDs



900 MHz
Graphic Dynamic Frq

Intel HD Graphics 615
60Hz 4K Support
Supports Direct X 12
OpenGL 4.4

WORLD'S FIRST HACKABLE COMPUTER SYNTHESIZED WITH **WINDOWS 10 PRO**

SUPPLEMENTED WITH **LINUX UBUNTU** COMPATIBILITY

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.



ULTIMATE NETWORKING ON CLOUD AND THINGS



A dark blue grid with a faint geometric pattern in the background. It contains three columns of information, each with an icon, a title, and a description.

Bluetooth 4.2	802.11 AC WiFi	Gigabit Ethernet
 4.2 BLUETOOTH	 802.11 AC WIFI	 GIGABIT ETHERNET
Multiple IoT Device Connectivity	Delivers 3x faster WiFi speeds than 802.11n 2.4G + 5G Dual-Band	Supports Remote Wake-up

EXTENSIVE DISPLAY SUPPORT

DUAL 4K DISPLAY SUPPORTED

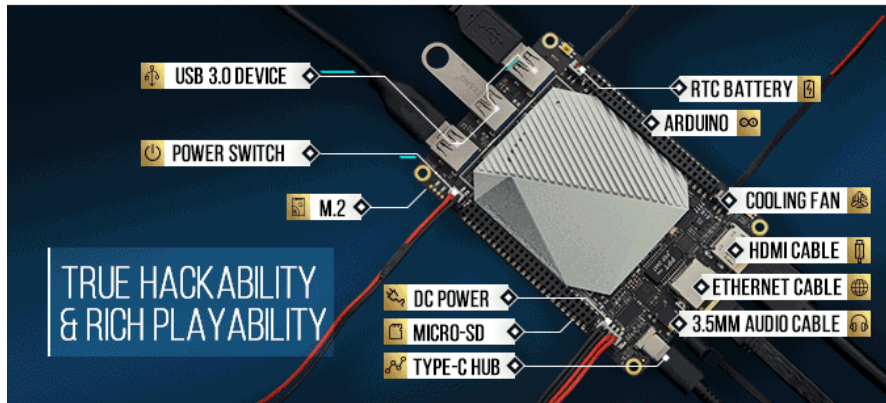


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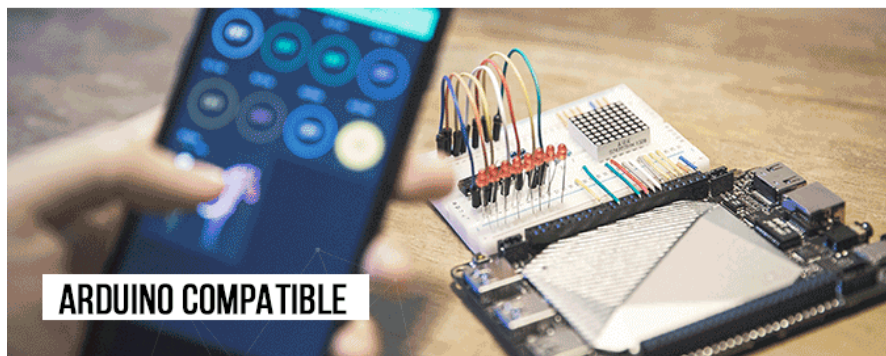
4K UHD Enabled	3 Way Video Output	Modular Interactive Touch Display
 4K UHD ENABLED	 3 WAY VIDEO OUTPUT	 MODULAR INTERACTIVE TOUCH DISPLAY
Decode 4K video at 60 fps	HDMI DP in USB-C eDP	Thin frame, low cost embedded display

UP TO 42 EXPANDABLE INTERFACES

TRUE HACKABILITY AND RICH PLAYABILITY



 <p>INTEGRATED ARDUINO As Always comes with a Coprocessor</p>	 <p>DUAL M.2 PORTS Supports NVMe SSDs Supports PCIe</p>	 <p>USB TYPE C USB Power Delivery Supports Multiple</p>
 <p>USB 3.0 3 USB 3.0 Ports Supports High Speed USB Peripherals</p>	 <p>2x50P Embedded Pin Headers Everything you need for Industry Compatible with thousands of sensors</p>	 <p>AUDIO & MICRO SD Comes with the Fundamentals 3.5mm Audio with microphone</p>



PERFORMANCE **STYLED** FOR YOUR POCKET

POCKET SIZE

70%
OF IPHONE PLUS SIZE



ULTRA-THIN DESIGN

13.5MM
CONFINE INTO ANY SPACE



AUGMENT YOUR PRIMARY DEVICE JUST PLUG AND PLAY

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.

USING **WINDOWS-ONLY** SOFTWARE AND TOOLS ON MAC DEVICES

Visual Studio @ Apple



DESIGNED AS A **PRODUCTIVITY** TOOL

FROM PROTOTYPES TO PRODUCTIONS TO PRODUCTS – **ONE** SINGLE SOLUTION



ROBOTICS



**SMART
FACTORY**



**HOME
AUTOMATION**



EDUCATION



**CAR
ENTERTAINMENT**



**SMART
DEVICE**



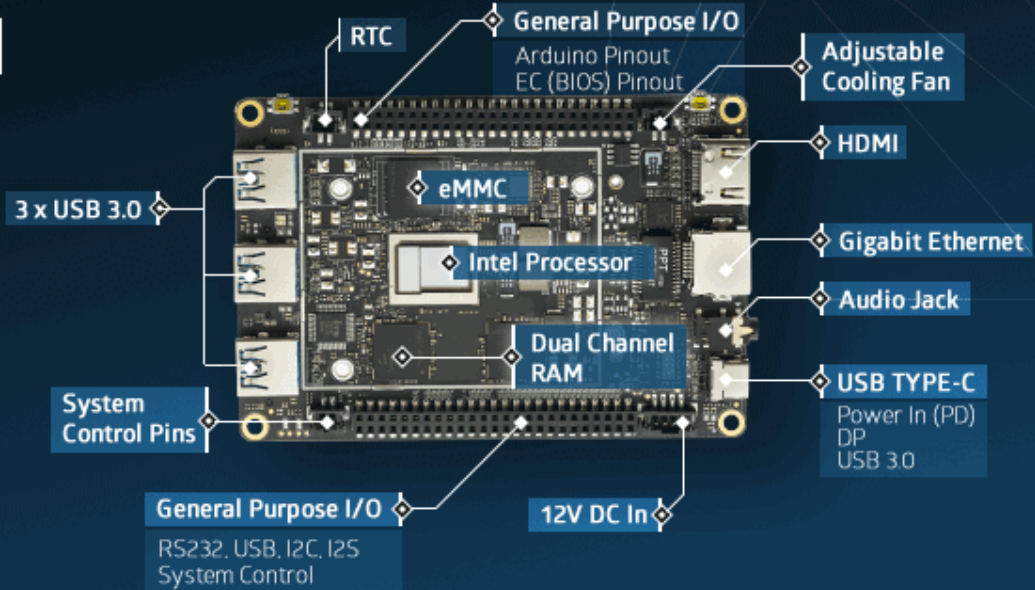
**INTERACTIVE
ARTS**



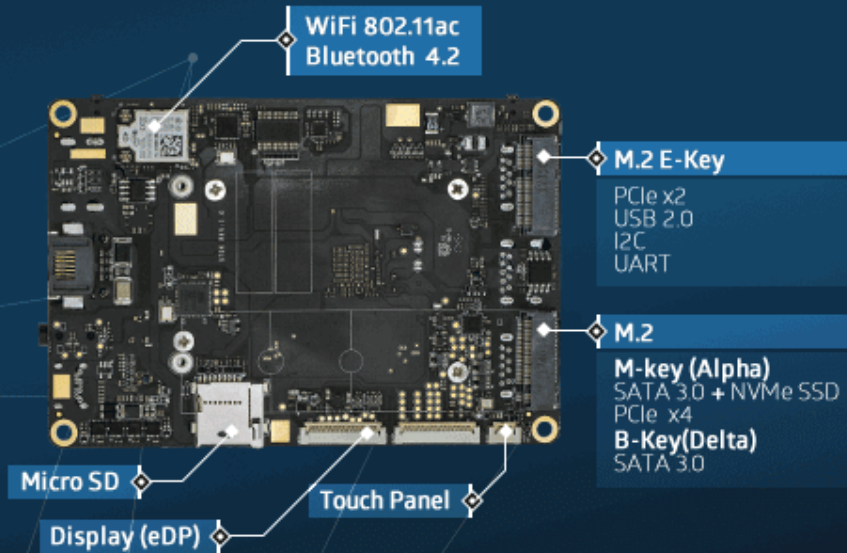
**AI
LOCALIZATION**

FEATURE DIAGRAM

FRONT



BACK



SPECIFICATIONS

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 7th Gen Core m3-7y30
- Core : 1.6-2.6GHz Dual-Core, Four-Thread
- Benchmark (PassMark): Up to 3500, double computing power compared with same price range products in the market
- Graphics : Intel HD Graphics 615, 300-900MHz
- RAM : 8G LPDDR3 1866MHz Dual-Channel
- 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
 - 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, RS232, UART, RTC, Power Management, Extendable power button, everything you need

- OS Support :
Windows 10 Pro
Linux Ubuntu

SHIPPING LIST

- LattePanda Alpha 800 x1
- Free Gift - Active cooling fan x1
- Free Gift - 45w PD Power adapter x1

