



DFROBOT[®]
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LattePanda Alpha 800s – Tiny Ultimate Windows / Linux Device

SKU:DFR0545



INTRODUCTION

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.

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



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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
- 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