

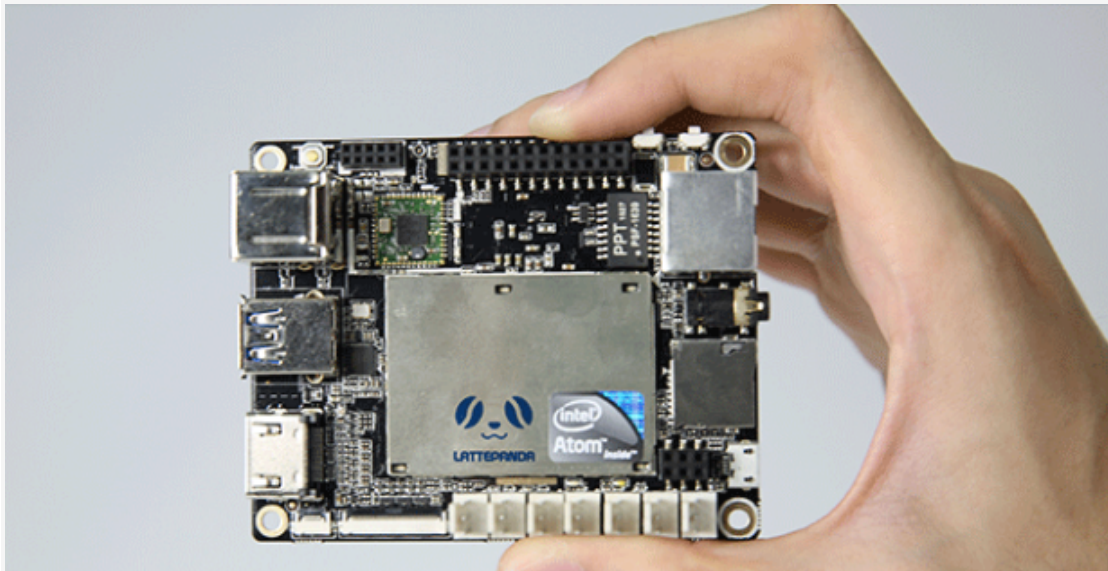
INTRODUCTION

You are viewing a 4GB RAM [LattePanda Windows 10 mini PC](#) with 64GB eMMC memory. This model of LattePanda V1 - 4GB/64GB includes an activated edition of Windows 10 Enterprise LTSC.

A LattePanda is a complete Windows 10 single-board computer. It has everything a regular PC has and can do anything that a regular PC does. It is compatible with almost every gadget you know: printers, joysticks, cameras, and more. Any peripherals that work on your PC will work on a LattePanda.

The Smallest X86 SBC

LattePanda V1 (4GB/64GB) with Win10 Enterprise License is the smallest and cheapest X86 SBC in LattePanda Family. It has everything a regular PC has and can do anything that a regular PC does.



Fast and Powerful

We have updated the processor since LattePanda V1. All versions of the LattePanda now ship with an upgraded CPU ([Intel Z8350](#) - up to 1.92GHz!)



QUAD-CORE
1.92GHZ



RAM
2-4GB



FLASH
32-64GB

Integrated Arduino Compatible Processor

A LattePanda also includes an integrated [Arduino](#) compatible co-processor: ATmega32u4 , which means it can be used to control and sense the physical world! Whether you are a Windows developer, IoT developer, DIY fanatic, interactive designer, robotics whizz, or maker, a cheapest x86 single board computer can aid your creative process!

This cheapest x86 single board computer is compatible with almost every gadget you know: printers, joysticks, cameras and more. Any peripherals that work on your PC will work on a LattePanda.



Complete Software Resources for Hardware Development

Based on the full version of **Windows 10 Professional**, Windows 10 Enterprise LTSC is designed for the professional application market. Not only can you run normal windows applications such as Office, Visual Studio, and Processing. Via the attached advanced tools such as AppLocker, BitLocker, Hyper-V, you can also have the highest level of security and management capabilities. From home servers to digital signage, this operating system can be the basis for your next big project. And this SBC can compatible with more operating systems: **Raspberry Pi Desktop, Ubuntu, Android x86, other Linux distributions.**

With existing APIs, you can develop your own software and hardware projects on a LattePanda like you would on a normal PC - C#, Javascript, Ruby etc. Say goodbye to your bulky laptop!



Storage

This smallest single board computer LattePanda V1 onboard 64GB eMMC. eMMC is more reliable and has a longer lifespan than TF cards, saving you the trouble of finding TF cards.

Customize LattePanda

LattePanda offers a selection of standard product models to meet the most common application needs of our target market. For those customers who need different features, LattePanda offers customization services. LattePanda provides our customers with a variety of industrial specific product configurations and custom designs to suit customers' specific applications.

For the customization requirement, [CLICK HERE](#)

The Best Raspberry Pi Alternative

Due to the global shortage of Raspberry Pi, if you are looking for a Raspberry Pi alternative, we have a product that can meet your needs: LattePanda V1. It can achieve all the functions that Raspberry Pi 4B can achieve, not to mention that it also supports the Windows 10 operating system. In the current

situation where Raspberry Pi 4B is out of stock and prices are soaring, LattePanda V1 is your best choice!

LattePanda V1: The Best Raspberry Pi Alternative!

	Raspberry Pi 4B	LattePanda V1 Windows 10 SBC	Highlights of LattePanda V1
Processor	Broadcom BCM2711	Intel Atom x5-Z8350	
Thermal Design Power	4W	2W	Lower power consumption
CPU Spec	Cortex-A72 (ARM v8), 4-Core, 4-Thread, up to 1.5GHz	x86-64, 4-Core, 4-Thread, up to 1.92GHz	
GPU Spec	Broadcom VideoCore VI, up to 500MHz	Intel HD Graphics 400, up to 500MHz	
Memory	2/4/8GB LPDDR4	2/4GB LPDDR3	
Storage	None eMMC MicroSD Card Slot	Onboard 32/64GB eMMC MicroSD Card Slot	Onboard eMMC is more reliable and has a longer lifespan than TF cards, saving you the trouble of finding TF cards.
USB	2 x USB 3.0 Ports 2 x USB 2.0 Ports	1 x USB 3.0 Port 2 x USB 2.0 Ports	
Connectivity	Gigabit Ethernet 802.11ac Wi-Fi, Bluetooth 5.0	100M Ethernet 802.11n Wi-Fi, Bluetooth 4.0	
Display	2 x micro-HDMI Ports 2-lane MIPI DSI	1 x Standard HDMI Port 4-lane MIPI DSI	
Co-processor	None	ATmega32u4 (Arduino Leonardo)	Integrated Arduino Compatible Processor
GPIO	40 x Digital IO Pins	20 x Digital IO Pins, including: 12 x Analog Pins	Enable to collect Analog and Digital signals directly
Power Supply	5V 3A	5V 2.5A	
Operating System	Raspberry Pi OS, Ubuntu, other Linux distributions	Windows 10, Raspberry Pi Desktop, Ubuntu, Android x86, other Linux distributions	More operating systems compatible
Operating Temperature	0-50°C	0-60°C	
Board Dimensions	85mm x 56mm	88mm x 70mm	
Price	As market conditions fluctuate	Start from \$105	

LattePanda V1 Selection Guide

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LattePanda V1 Selection Guide				
Product Name	LattePanda 2GB/32GB(Unactivated)	LattePanda 2GB/32GB(Activated)	LattePanda 4GB/64GB(Unactivated)	LattePanda 4GB/64GB(Enterprise License)
SKU	DFR0444	DFR0418	DFR0419	DFR0470-ENT
System		Windows 10 HOME		Windows 10 Enterprise LTSB
Type	64-bit			
CPU	Intel Cherry Trail Z8350			
Memory	2GB			4GB
Storage	32GB			64GB
Co-processor	ATmega32u4			
Wireless	Wi-Fi: IEEE 802.11n Bluetooth 4.0			
Dimensions	88mm x 70mm			
Recommend Reasons In Short	The Cheapest Development Board in LP Family	Activated Win10 Home	Better Performance	Windows 10 Long Term Servicing Branch

SPECIFICATION

- Intel Cherry Trail Z8350 Quad-Core Processor
- Base Frequency: 1.44GHz (1.92GHz Burst Frequency)
- Operating System: Windows 10 Enterprise LTSB x64 with activating key
- RAM: 4GB DDR3L
- Storage Capacity: 64GB
- GPU: Intel HD Graphics, 12 EUs @200-500Mhz, single-channel memory
- USB 3.0 x 1, USB 2.0 x 2
- Wi-Fi 802.11n 2.4G
- Bluetooth 4.0
- Integrated Arduino Co-processor: ATmega32u4 (Arduino Leonardo)
- Video output: HDMI and MIPI-DSI
- Onboard touch panel overlay connector
- Supports 100Mbps Ethernet
- Intel Processor GPIO x 6
- ATmega Processor GPIO x 20
- Gravity Interface Connectors x 6
- Voltage: 5V@2A
- Board Dimensions: 88 x 70mm / 3.46 x 2.76"
- Package Dimensions: 110 x 94 x 30 mm/4.33 x 3.70 x 1.18"
- NET Weight: 55g
- Gross Weight: 100g

DOCUMENTS

- [Official Website](#)
- [User Guide](#)
- [FAQ](#)
- [Github Repository](#)
- [3D Model](#)

- [Compliance Certificates](#)
- [Pin Mapping](#)
- [RoHS, FCC and CE Compliant](#)

SHIPPING LIST

- LattePanda 4G/64GB x 1
- Windows10 Enterprise LTSB Activate Manual x 1
- WiFi Antenna x 1
- Printed Safety Precautions x 1