LattePanda (2G/32GB/Without Win10 License) - The Most Powerful Win10 Dev Board

SKU:DFR0444

INTRODUCTION

This product is expected to be available at the end of December

LattePanda is a complete Windows 10 computer on a single board!

It includes 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 LattePanda.

LattePanda comes pre-installed with a full edition of Windows 10, including powerful tools such as Visual Studio, NodeJS, Java, Processing, and more. Using existing APIs, you can develop your own software and hardware projects on LattePanda as you would on a normal PC - C#, Javascript, Ruby and so on. Say goodbye to your bulky laptop!

But not only can it be used as a low cost regular Windows computer! LattePanda is also designed with an Arduino compatible co-processor, which means it can be used to control and sense the physical world, just like an Arduino board! Whether you are a Windows developer, an IoT developer, a hardware DIY fanatic, interactive designer, robotics whizz, or a maker, LattePanda can aid your creative process with physical computing projects!
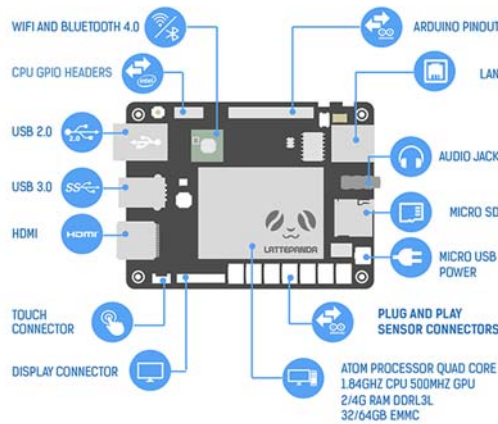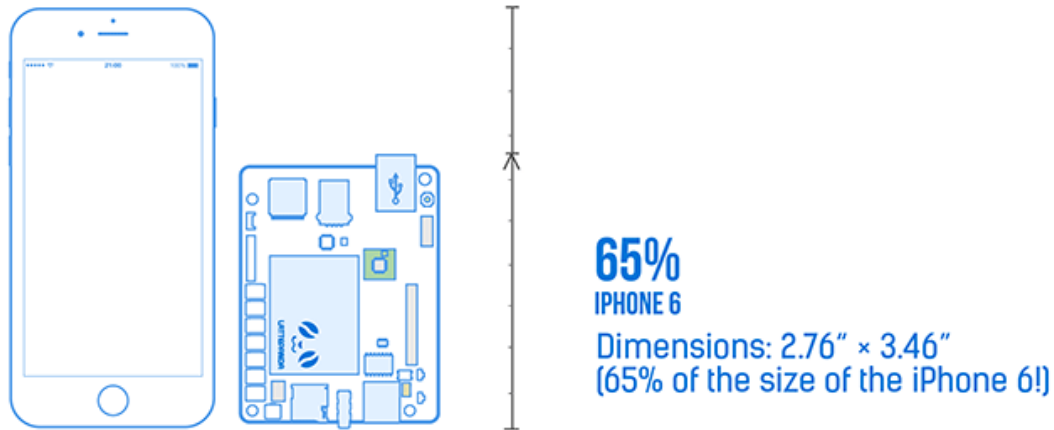
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SYSTEM

FEATURES	LATTEPANDA	RASPBERRY PI 2
PROCESSOR	Intel Cherry Trail Quad Core 1.8GHz	ARM Cortex-A7 Quad core 900MHz
OPERATING SYSTEM	Pre-installed Full Edition Of Windows 10	Linux/Android
CACHE	2MB	128KB
RAM	2GB DDR3L~4GB DDR3L (Lattepanda Enhanced)	1GB DDR2
GRAPHICS CAPABILITIES	Intel Gen8	Broadcom VideoCore IV
VIDEO SUPPORTED	1080p 60 HEVC decode, H.264,VP8	1080p30 H.264/MPEG-4
VIDEO OUT	HDMI Display Connector	HDMI
STORAGE CAPABILITY	32GB~64GB (Lattepanda Enhanced)	✖
MICROSD SLOT	✔	✔
CO-PROCESSOR	Atmega32u4 Arduino Compatible	✖

PERIPHERALS/UTILITIES

FEATURES	LATTEPANDA	RASPBERRY PI 2
USB	USB 3.0 x1 USB 2.0 x2	USB 2.0 x4
ETHERNET	RJ45	RJ45
INTEGRATED WIFI	✔	✖
INTEGRATED BLUETOOTH 4.0	✔	✖

OTHER FEATURES

FEATURES	LATTEPANDA	RASPBERRY PI 2
SERIAL PORTS	1port for Intel chip 1 port for Arduino	1
OTHER INTERFACES	IIC for Intel chip Touch Screen Connector 3.5mm Audio port	IIC, SPI
GENERAL PURPOSE I/O	2 GPIOs for Intel chip 20 GPIOs for Arduino	17
POWER SUPPLY	5V	5V
DIMENSIONS	3.46"x 2.76"	3.37"x2.22"
WAKE ON LAN	✔	✔

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65%
IPHONE 6
Dimensions: 2.76″ × 3.46″
(65% of the size of the iPhone 6!)

Note:

1. This product requires a power supply of 5v@2a to work properly using a quality USB cable. An iPad power supply is ideal.

2. **DO NOT USE** quick charger! It will damage the board!!!

SPECIFICATION

- Processor: Intel Cherry Trail Z8300 Quad Core 1.8GHz
- Operation System: Pre-installed full edition of Windows 10
- Ram: 2GB DDR3L
- Storage Capability: 32GB
- GPU: Intel HD Graphics, 12 EUs @200-500 Mhz, single-channel memory
- One USB3.0 port and two USB 2.0 ports
- WiFi and Bluetooth 4.0
- Built-in Arduino Co-processor: ATmega32u4
- Video output: HDMI and MIPI-DSI
- Onboard touch panel overlay connector
- Supports 100Mbps Ethernet
- GPIO:
- 6 GPIOs from Cherry Trail processor
- 20 GPIOs from Arduino Leonardo
- 6 Plug and play Gravity sensor connectors
- Power: 5v/2A
- Dimension of board: 88 * 70 mm/ 3.46 * 2.76 inches

- Packing Size: 110 * 94 * 30 mm/4.33 * 3.70 * 1.18 inches
- N.W.: 55g
- G.W.: 100g

SHIPPING LIST

- LattePanda 2G/32GB x1
- WiFi Antenna x1
- Safety Precautions x1