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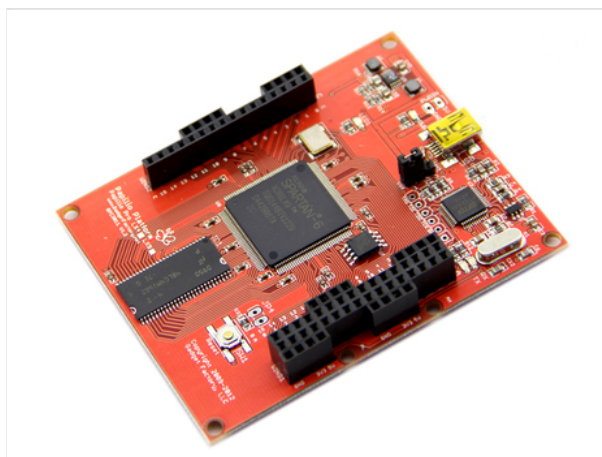Home ▸ Papilio ▸ FPGA Boards ▸ Papilio Pro - Spartan 6 FPGA Dev Board with SDRAM

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Papilio Pro - Sp FPGA Dev Boar SDRAM

~~$84.99~~ **$74.99**
(You save $10.00)

SKU:	BPC301
WEIGHT:	0.08 LBS
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Have you been thinking about jumping into FPGA development but are not sure I started? Well, take a look at the Papilio - an Open Source FPGA board with everyt to get started at a low price. With a friendly and supportive community (http://store.gadgetfactory.net/forum.gadgetfactory.net), free VHDL eBook (http://forum.gadgetfactory.net/index.php?/page/articles.html/_/papilio/logicstar /intro-to-spartan-fpga-ebook-r34), Open Source Arduino compatible Soft Process (http://forum.gadgetfactory.net/index.php?/files/file/8-papilio-arduino-ide/), and examples (http://forum.gadgetfactory.net/index.php?/page/articles.html) you wil resources needed to get you started on the FPGA path. It's never been easier to j wide-open world of FPGA development!

What can Papilio FPGA Do?

The Papilio Pro is a powerful, open-source, expandable development board perfe
design and prototyping of your unique ideas. You can customize the capabilities
with snap-on modular expansions called Wings (similar to Arduino shields) which
functionality to the board, and simultaneously expand the creative possibilities!

As the most powerful development board in Papilio series, Papilio Pro   l o
6 LX FPGA. It offers exciting new features over the Papilio One, includi   SD
Block SRAM, DSP Slices, Clock Management Tile, Multi-Boot, and an efficient swit
supply.

At its heart, the Papilio Pro has a Xilinx Spartan 6 LX9 FPGA chip, providing a plen
digital logic to quickly get your prototyping off the ground. In addition, you can c
FPGA using established development tools, or you can use Gadget Factory's custo
to easily write Arduino code and upload it to the AVR8 soft processor!

Papilio Pro Features

- Spartan 6 LX9 FPGA (Datasheet (http://www.xilinx.com/support/documentatic
/ds160.pdf))

- High efficiency LTC3419 Step Down Dual Voltage Regulator (Datasheet (http://
/docs/Datasheet/3419fa.pdf))

- Dual Channel FTDI FT2232 USB 2.0 Full Speed Interface (Datasheet (http://ww
/Support/Documents/DataSheets/ICs/DS_FT2232D.pdf))

- 64Mbit Micron MT48LC4M16 SDRAM (Datasheet (http://download.micron.con
/pdf/datasheets/dram/sdram/64MSDRAM.pdf))

- 64Mbit Macronix MX25L6445 SPI Flash (Datasheet (http://www.macronix.com
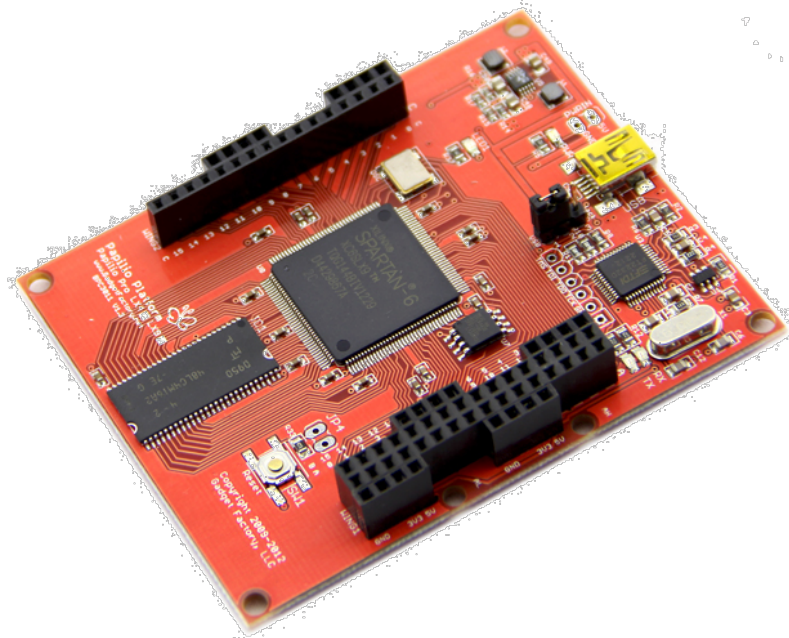
/hq/PageLibrary4825740B00298A3B.nsf/h_Index/3F21BAC2E121E17848257639003A3146
/$File/MX25L6445E,%203V,%2064Mb,%20v1.8.pdf))

- 48 I/O pins arranged in a Papilio Wing form factor

- 32Mhz Crystal Oscillator

Papilio Pro Resources

- Papilio Pro Hardware Guide (http://www.papilio.cc/index.php?n=Papilio.PapilioPro)

- Papilio Pro Forum (http://forum.gadgetfactory.net/index.php?/forum/102-papilio-pro-and-papilio-plus/)

- Papilio Pro Showcase (http://forum.gadgetfactory.net/index.php?/page/articles.html/_/papilio/papilio-pro/)

- Papilio Pro Downloads (http://forum.gadgetfactory.net/index.php?/files/category/2-papilio-fpga/)

Papilio Resources

- Papilio Website (http://papilio.cc/)

- Hamster's Intro to FPGA eBook (http://forum.gadgetfactory.net/index.php?/page/articles.html/_/papilio/logicstart-megawing/intro-to-spartan-fpga-ebook-r34)

- Papilio Download Page (http://forum.gadgetfactory.net/index.php?/files/category/2-papilio-fpga/)

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Compare Block RAM:

Papilio Board	18Kbit BRAM Blocks	Max SRAM	Usable SRAM
Papilio Pro	32	576Kbit (72KByte)	512Kbit (64KByte)
Papilio One 500K	20	360Kbit (45KByte)	320Kbit (40KByte)
Papilio One 250K	12	216Kbit (27KByte)	192Kbit (24KByte)

Learn More at the Papilio.cc website:

(http://papilio.cc)

Papilio Wiki

Welcome to Gadget Factory's Papilio Wiki. Papilio is an open-source FPGA project intended for education, hobbyists, engineers, or anyone interested in learning Digital Electronics in a friendly community. It offers FI development boards and add-on application modules called "Wings", that makes a easy to learn platform for beginners, and powerful design and prototyping tool for engineers.

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Papilio One 250K - Low Cost Xilinx FPGA Dev Board (http://store.gadgetfactory.net/papilio-one-250k-low-cost-xilinx-fpga-dev-board/)

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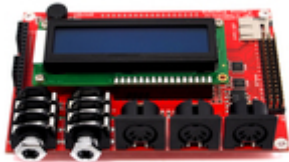
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