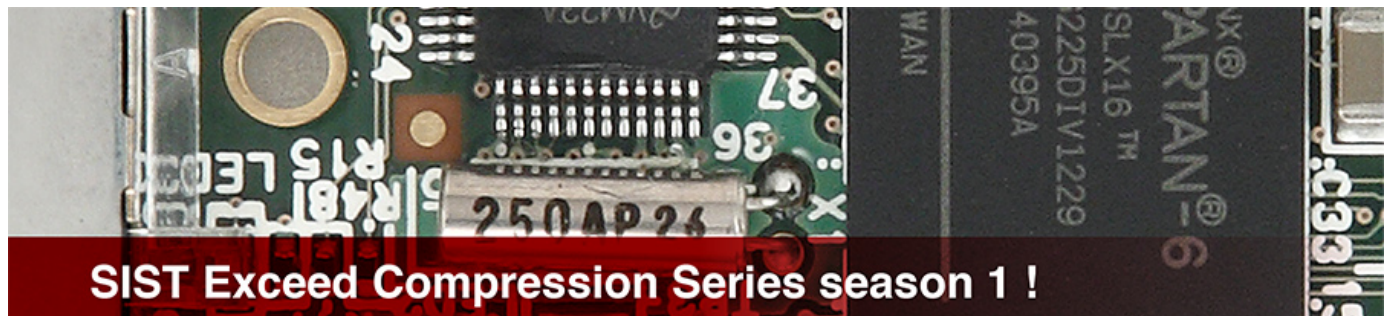


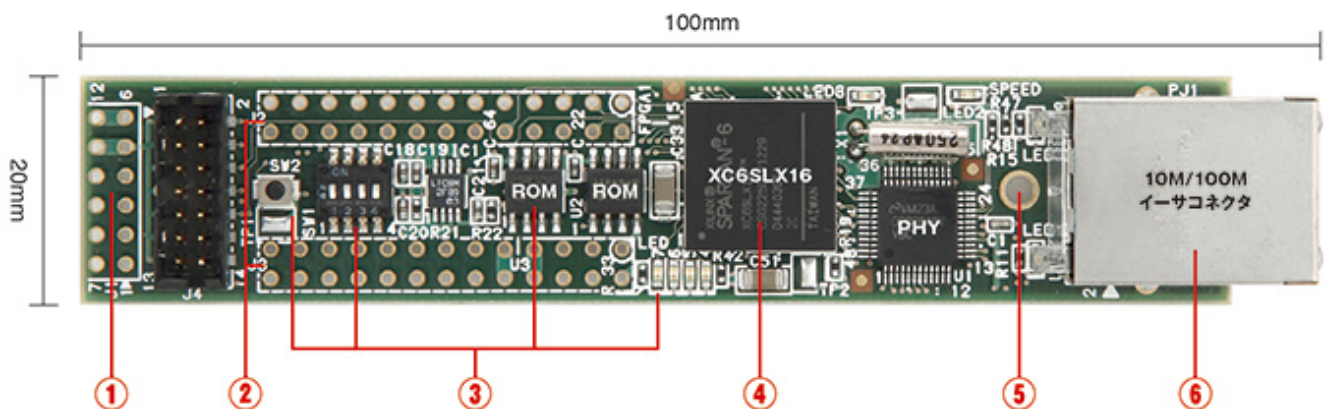
EXComp1 FPGA board with small Ethernet

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Compress all resources (space, time, cost)!

Network application development and experiment Pitta to Rina compact stick-type FPGA board



(1) Equipped with PMOD™ compatible pin header

The PMOD™ compatible pin header proposed by Digilent is installed.

A wide variety of extensions such as analog IO and sensors are available.

② GPIO for breadboards and universal boards

Since it is pulled out to match the 2.54 mm pitch, external circuits can be easily developed using a universal board or breadboard.

Sufficient I / O can be used with only one line on the outside.

3.3V single or power supply for I / O can be supplied separately.

③ Equipped with serial ROM, SW and LED for application

The ROM can store the MAC address and information required by the user application.

搭載 Equipped with Xilinx Spartan6 XC6SLX16

Plenty of application logic can be installed.

Conversion to XC6SLX9 is also available depending on the application.

⑤ Reliable screw hole!

The board can be fixed with screws when assembling the product to withstand the stress of the connector.

済み Ether connector mounted

EXComp1 can be connected directly to the network without any additional components.

Leave the troublesome interface and protocol processing with physical layer devices to the IP core!

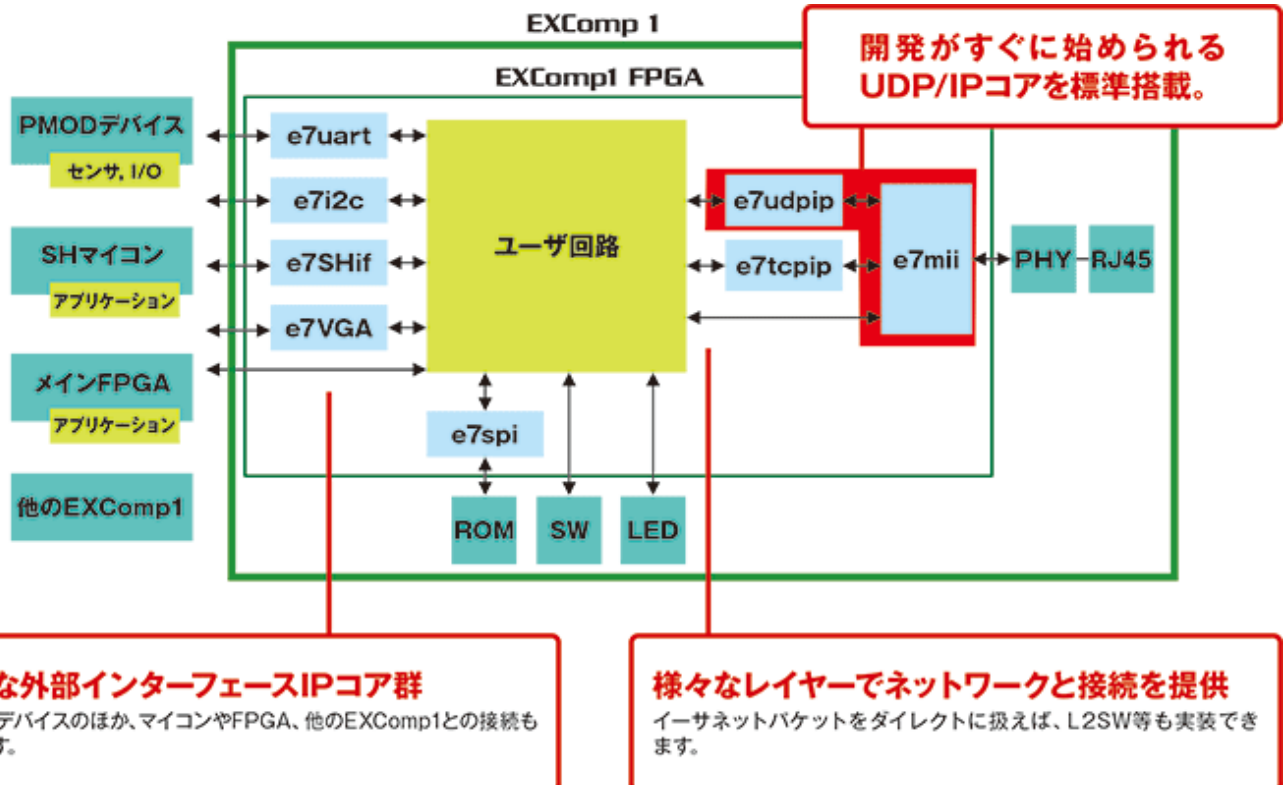


制御ボードに搭載のイーサネットコントローラがディスコンになりそう…
マイコンのネットワーク機能では通信性能が足りない…
データはFPGAで処理しているのに、ネットワーク通信のためにマイコンが必要…
ネットワーク機能のためだけに、マイコンにOSが必要になってしまう…

EXComp1とe7IPコアを
導入すれば



次世代FPGAにアップデートしながら同一機能を提供できます。
ワイヤードロジックなので、ネットワーク帯域をフルに活用できます。
すべての処理をFPGAで実装すれば、BOMコストの削減もできます。
FPGA側にネットワーク処理を実装し、マイコンからは簡単なI/Oで通信を実現できます。



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- EXComp1 FPGA board with small Ethernet

Top

Company information

own products

Development record

Traffic access

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