

## CYGNUS-US+ Carrier Board



### Description

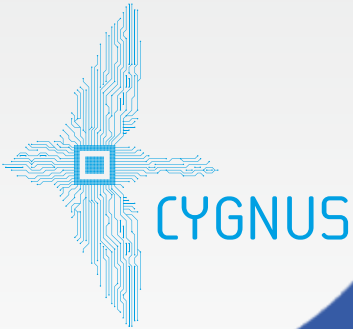
Cygnus-US+ CB Carrier Board is an evaluation board designed to accelerate the users' own hardware and software development cycles when using the Cygnus family of System-on-Modules as the main processor unit. Utilizing the Carrier Board and Cygnus-US+ SoM solutions of Artron together reduces the engineering effort of development and brings the advantage of focusing solely on target application. Hardware design files for the carrier card are reachable for the users. This will allow the developers to build their own design on a proven hardware platform. A complete Board Support Package (BSP) is available furthermore.

Cygnus-US+ Carrier Board provides all the necessary power sequencing, clock & reset control, JTAG interface for programming and debug, I/O accessibility and several communication interfaces. An HPC FMC interface is also supported for custom expansion purposes. You can visit [www.artron.com.tr/cygnus](http://www.artron.com.tr/cygnus) for the most up-to-date product information.

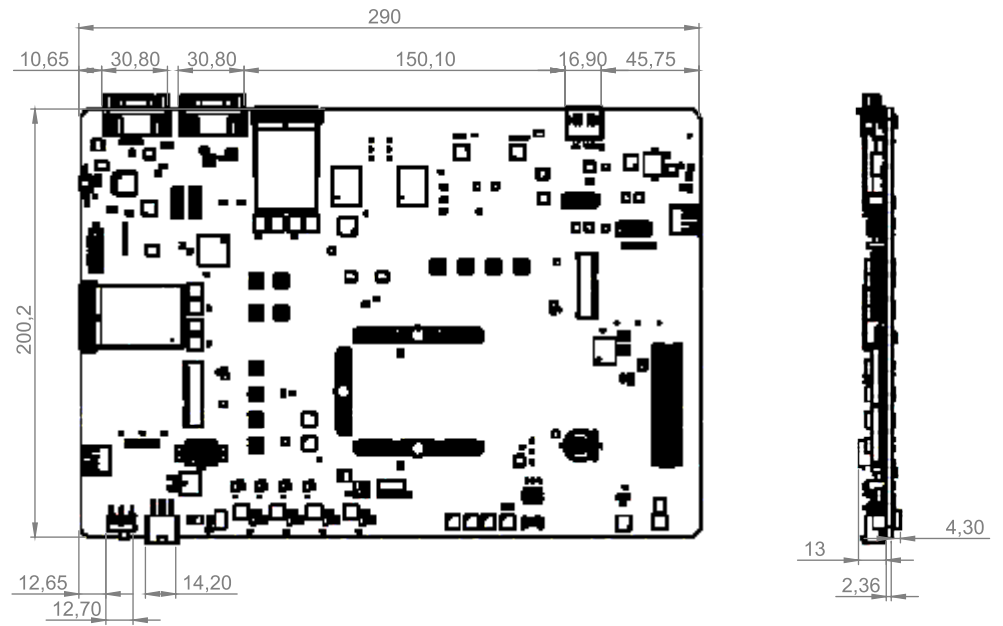
### Features

- Flash-based FPGA used as Carrier Management Controller
- Available Interfaces
  - SATA 3.0 Host
  - SD Card
  - 12x SMA
  - 2x mPCIe
  - Display Port
  - 2x Gigabit Ethernet
  - 2x SFP+
  - FMC HPC
  - HDMI Transmit
  - HDMI Receive
  - 4x GTR Transceivers with data rates up to 6.0Gbps
  - USB 3.0

www.artron.com.tr



## Mechanical Properties



### Dimensions

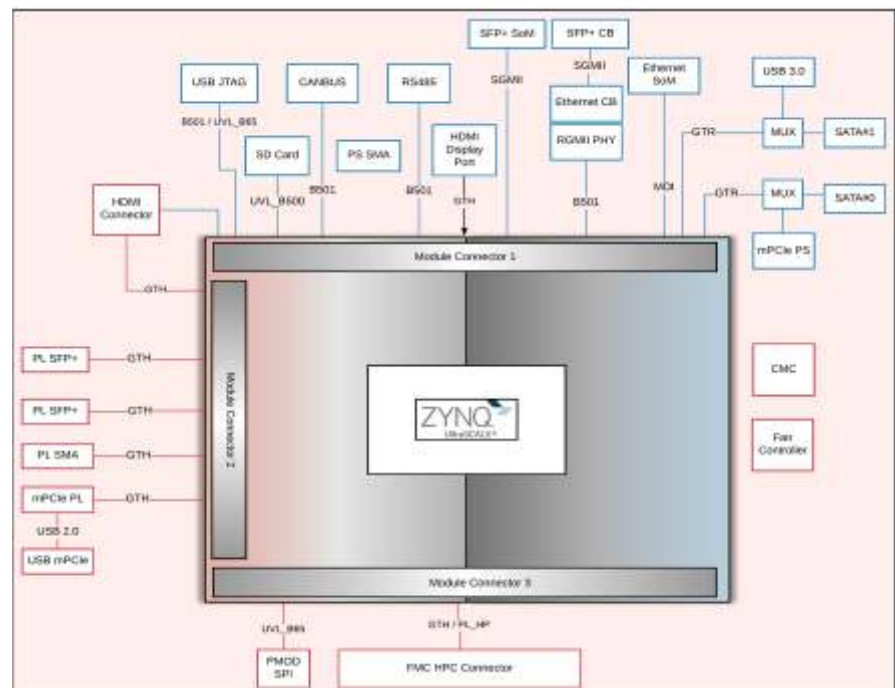
290 x 200 mm

## Ordering Information

Part Number	Definition	Pricing
ART-CYG-US1-CB	Cygnus-US+ Carrier Board	Contact us

Supported SoMs	Definition	Pricing
ART-CYG-US1Q-07EV	SoM equipped with XCZU7EV	Contact us
ART-CYG-US1Q-04EV	SoM equipped with XCZU4EV	
ART-CYG-US1Q-07EG	SoM equipped with XCZU7EG	
ART-CYG-US1Q-04EG	SoM equipped with XCZU4EG	
ART-CYG-US1Q-07CG	SoM equipped with XCZU7CG	
ART-CYG-US1Q-04CG	SoM equipped with XCZU4CG	

## Block Diagram



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