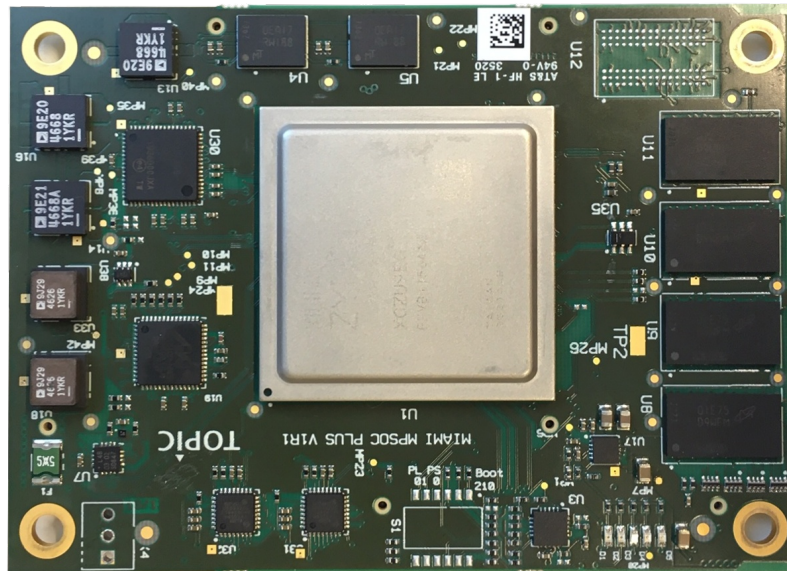


# Miami MPSoC Plus

The Miami MPSoC Plus System on Module (SoM) is an embedded computer board, integrating all key functionalities to deliver a complete computing system, running e.g. Linux or FreeRTOS.

The modules are based on Xilinx System on Chip technology, using Zynq Ultrascale+ ZU6/9/15 devices. With their efficient footprint and high reliability, they form an excellent platform for high bandwidth data processing applications.



Intelligence for Industry

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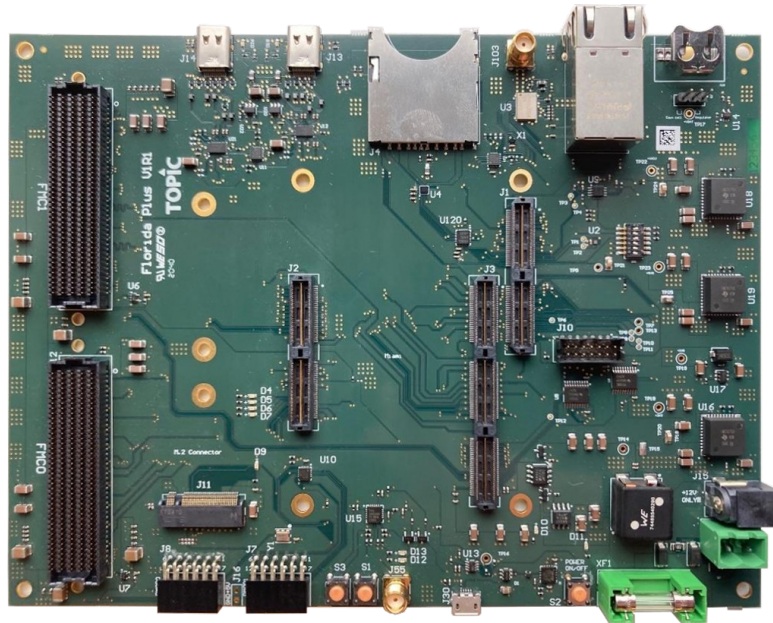
www.aries-embedded.com  
info@aries-embedded.de

- Miami MPSoC Plus UltraSCALE+
  - XCZU6-EG-1FFVB1156E
  - XCZU9-EG-1FFVB1156E
  - XCZU15-EG-1FFVB1156E
- 2/4/8 GByte DDR4 with/without ECC 32/64/72bits
- 0/8/16/32/64 GB pseudo-SLC or MLC eMMC
- 64/128/256 MB Quad SPI
- 32 Kbit I2C EEPROM storage
- ARM Cortex-A53 MPCore Quad-core CPU Architecture
- Processor-Peripherals :
  - 2xUSB 3.0 incl on-board ULPI media
  - UART
  - I2C
  - HDMI
  - FPD link
  - DisplayPort
  - Concole
  - Ethernet
  - CAN
  - SPI
  - SDI
  - TFT
  - Debug UART
  - PS JTAG
  - rich I/O
- Clock distribution
- size : 95 x 68.5 mm
- single 9-16 Vdc supply
- 2 x 120 pins + 1x180 pins Samtec mezzanine board-to-board interconnect

# Florida-Plus

The Florida Plus is a carrier board, especially designed for the Miami MPSOC Plus SOM.

With a Florida carrier board, you can evaluate the capabilities of the Xilinx Zynq based Miami System-on-Modules (SoM) in combination with a rich pool of peripherals. The setup helps you to kick-start your target application development giving access to the complete feature set of the Zynq Ultrascale Plus processor in combination with the provided high-quality Linux board support package.



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- Florida - Plus
  - Miami MPSoC Plus ZU6/ZU9/ZU15
- Dyplo supported platform
- 2x Samtec QTH-060-01-L-D-A board-to-board interconnect
- 1x Samtec QTH-090-01-L-D-A
- 1x LAN (1000M/100M/10M)
- WiFi via MIO with SDIO
- 1x UART via USB or Virtual COM
- PCI-express
- 2x Sata-3
- 2x CAN, I2C, SPI via PMOD
- 2x USB-C
- 1x SD-Card/ SDIO
- 2x 100% LPC FMC
- 2x PMOD
- Audio via PMOD
- Video via FMC or PMOD
- 1x JTAG
- single 12Vdc 5A supply
- 0°C...+70°C