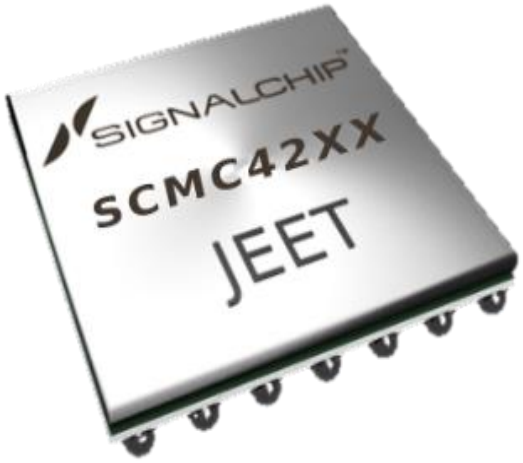
SIGNALCHIP
Steering the electron

# JEET – SCMC4212
## Micro Controller Unit



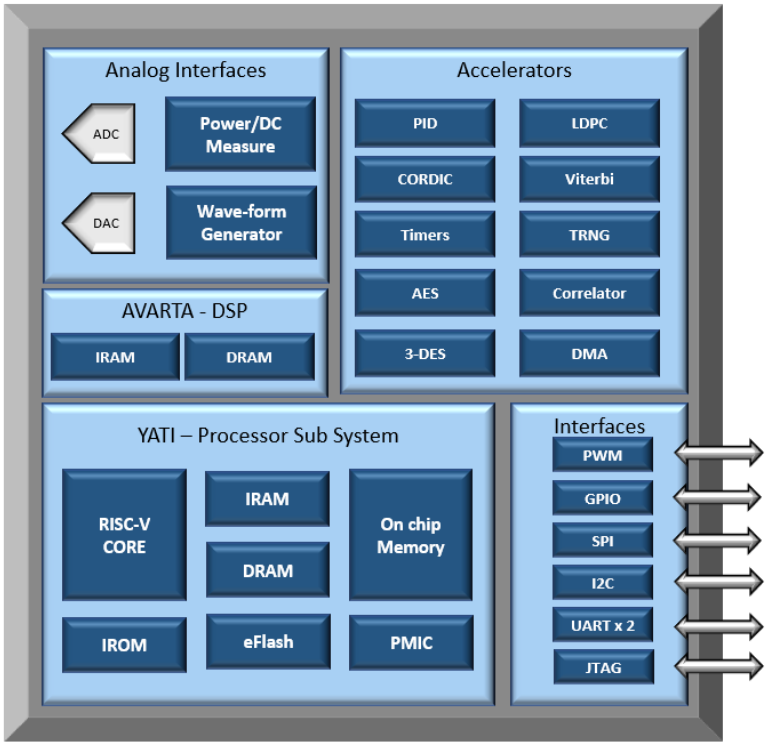

## Features

- Yati RISC-V RV32IMB CPU with interrupt controller
- Upto 200MHz clocking
- Avarta 32 bit DSP – Signalchip ISA
- Embedded Flash
- Integrated Power Management
- On chip RTC support, for low power sleep modes
- Battery backed memory
- Interfaces: UART, I2C, SPI, PWM channels, GPIO, JTAG
- Hardware acceleration for PID
- 64 bit and 32 bit timers , General Purpose DMA , Security Accelerators : AES / 3-DES , True Random number Generator
- ADC for measurement and analog sensor data capture
- DAC output control for analog actuators

## Applications

- Flight Controllers.
- IOT, Wearables, smart devices.
- Robotics, automation Industry.

Signalchip's SCMC4212 MCU is an ultra-small footprint, high-performance, ultra-low power MCU. Powered by a Yati 32-bit RISC-V CPU and Avarta 32bit DSP with integrated flash and memory for wide range of applications. Integrated SMPS enables direct battery connection, thereby removing the need for an external LDOs and SMPS. The above features help in reducing the module size and BOM cost, enabling compact secure Flight controller modules. Indigenous Silicon for Highest Trust and Security.




**Signalchip Innovations Pvt. Ltd.**
4C-116, 4th Cross, OMBR Layout,
Banaswadi, Bangalore-560043,India
T : 91-80-41140123
contact@signalchip.com
www.signalchip.com