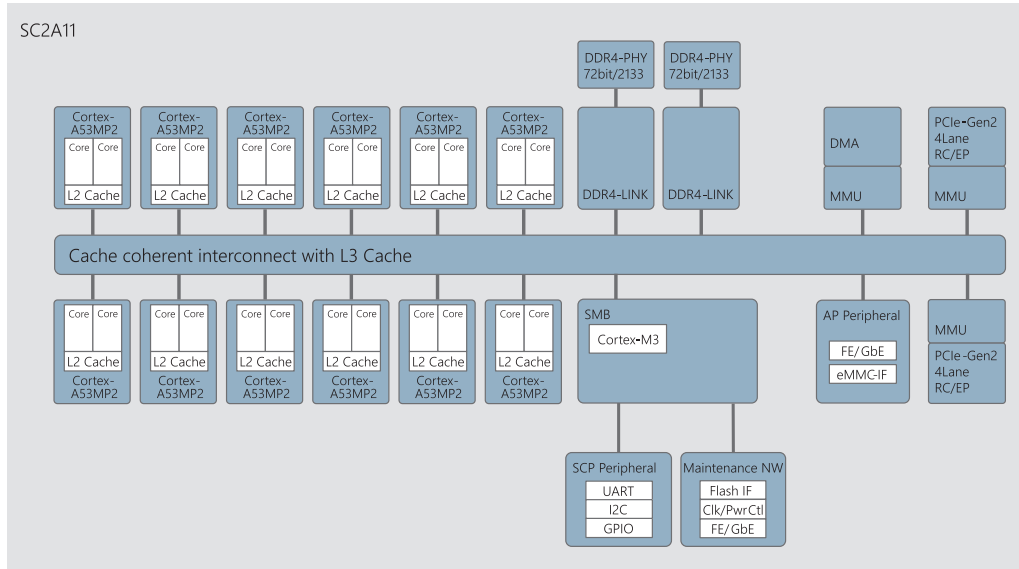


Product Brief

SynQuacer SC2A11



- BGA 30 x 30 mm²
- Also available as IP block for ASIC

Overview

- Multi-core CPU chip 24 64-bit ARM® Cortex®-A53
- Scalable (Up to 1536 parallel cores using 64 SC2A11s)
- Security features included (OPAL, Ethernet Processor)
- Highly power efficient (5W typical @ 24°C)

Features

Processor(s)	24 x Cortex®-A53 MPCore, 1 GHz
Cache	L1 I/D=32KB/32KB, L2=256KB, L3=4MB
Memory I/F	DDR4-2133Mbps 64-bit + ECC
PCIe	PCI Express Gen2, Root/Endpoint select, 4 lanes (2 systems/for SoC IF)
LAN	2ch 1Gbps with IPSec Network Offload Engine (wire-speed)
Flash I/F	HSSPI, eMMC
Flash I/F	UART, I2C, GPIO

Applications

- Servers
- Industrial
- Edge computing



Evaluation Board

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