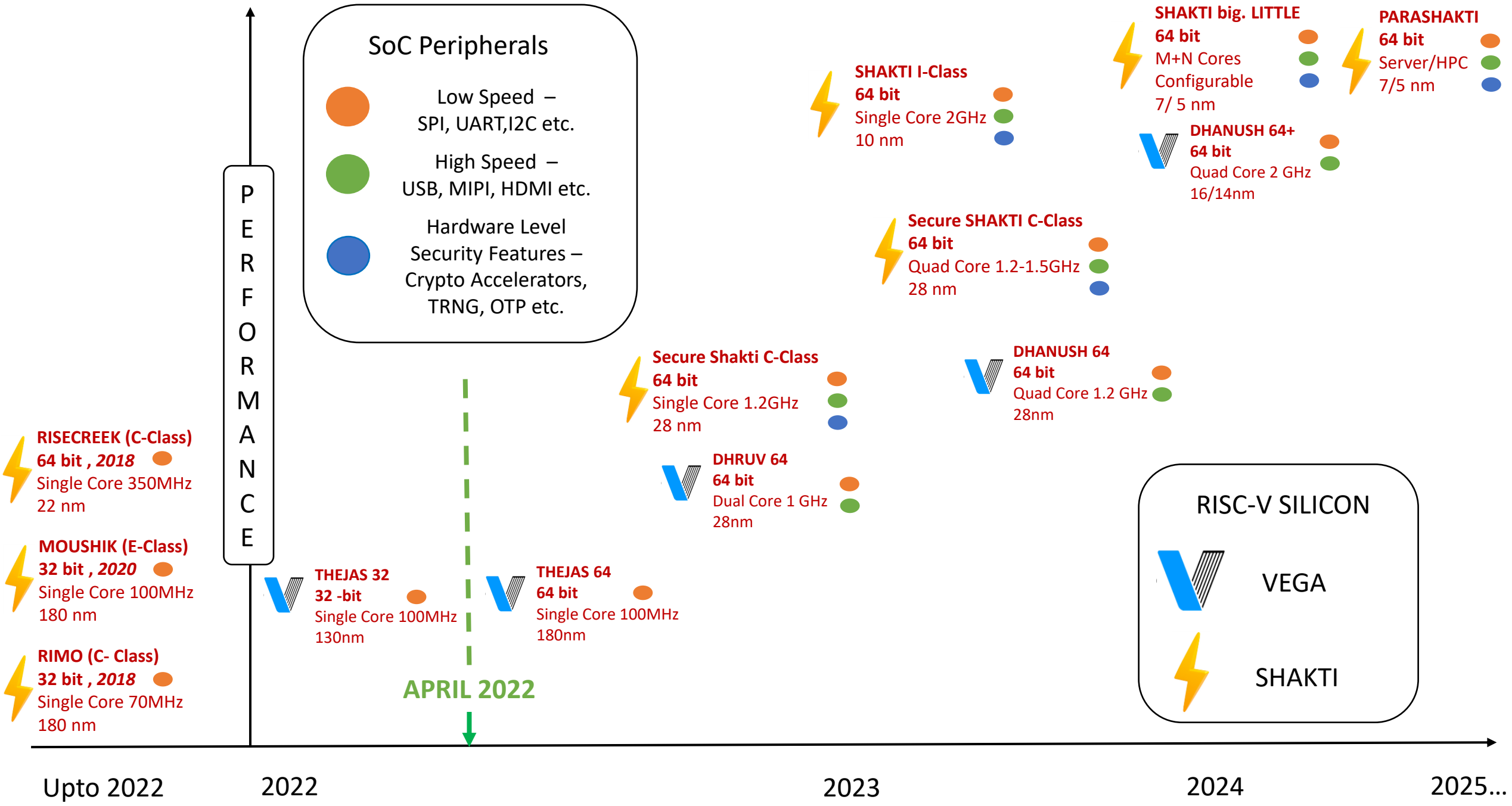
SoC Peripherals
Low Speed – SPI, UART,I2C etc.
High Speed – USB, MIPI, HDMI etc.
Hardware Level Security Features – Crypto Accelerators, TRNG, OTP etc.
PERFORMANCE
RISECREEK (C-Class)
64 bit , 2018
Single Core 350MHz
22 nm
MOUSHIK (E-Class)
32 bit , 2020
Single Core 100MHz
180 nm
RIMO (C- Class)
32 bit , 2018
Single Core 70MHz
180 nm
THEJAS 32
32 -bit
Single Core 100MHz
130nm
THEJAS 64
64 bit
Single Core 100MHz
180nm
APRIL 2022
Secure Shakti C-Class
64 bit
Single Core 1.2GHz
28 nm
DHRUV 64
64 bit
Dual Core 1 GHz
28nm
SHAKTI I-Class
64 bit
Single Core 2GHz
10 nm
Secure SHAKTI C-Class
64 bit
Quad Core 1.2-1.5GHz
28 nm
DHANUSH 64
64 bit
Quad Core 1.2 GHz
28nm
SHAKTI big. LITTLE
64 bit
M+N Cores
Configurable
7/ 5 nm
DHANUSH 64+
64 bit
Quad Core 2 GHz
16/14nm
PARASHAKTI
64 bit
Server/HPC
7/5 nm
RISC-V SILICON
VEGA
SHAKTI
Upto 2022
2022
2023
2024
2025...