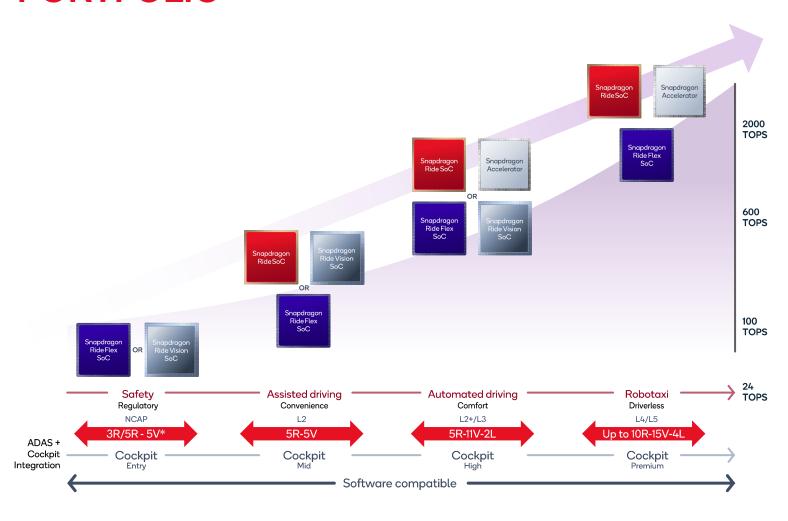
## SNAPDRAGON RIDE™ SoCs

A family of multipurpose, power-efficient SOCs and software designed for ADAS system scalability, safety and reliability.



## MOST COMPLETE AND SCALABLE SYSTEM PORTFOLIO

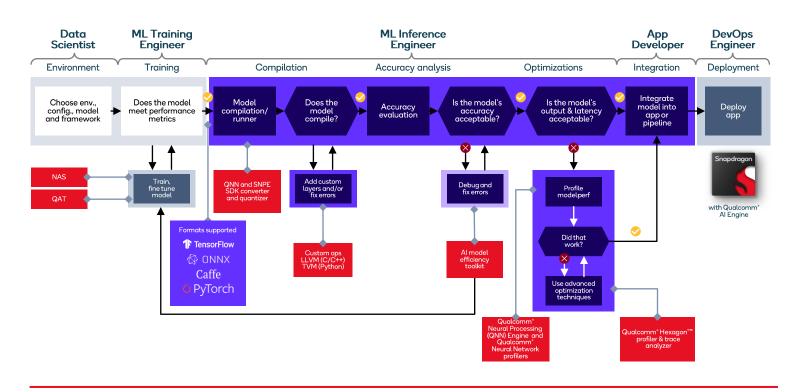


SoCs that scale with your system design, interface requirements and performance needs.

These high performance SOCs have the best power/inference on the market with multiple benchmarks indicating 2x power efficiency and performance for AI networks over other solutions.

## DEVELOPER TOOLS TO ACCELERATE AI WORKFLOWS





### Architecture checker

Automated model topology and architecture analysis

#### Quantization checker

Flag suboptimal quantization encodings to detect potential accuracy issues

#### Accuracy evaluator

Automated quantization using all options for best accuracy

#### Accuracy debugger

Per layer output analysis for backends

#### Performance

Hexagon Tensor Processor (HTP) profiler provides guidance on expected performance

#### Qualcomm<sup>o</sup> Al Studio

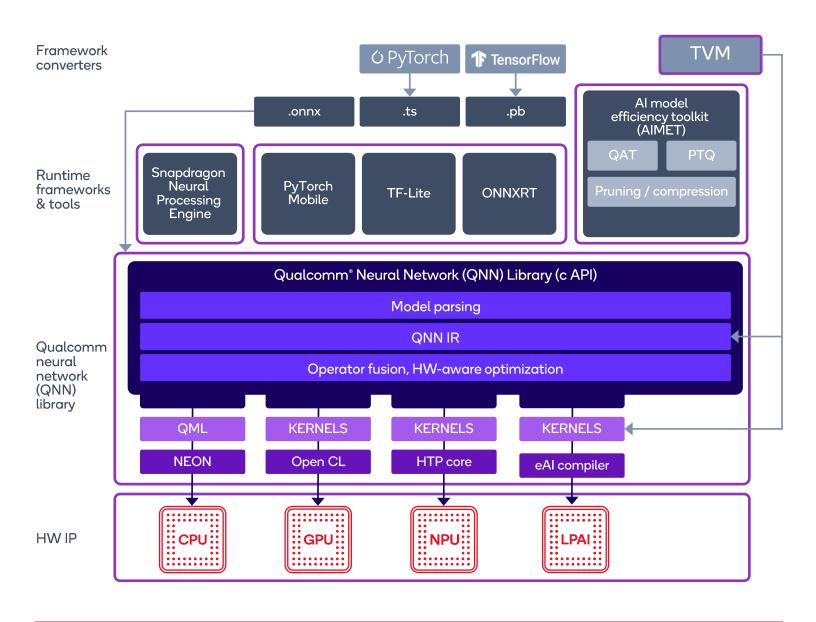
Improved Developer Environment for debugging, profiling and trace analysis

#### QNN HTP simulator

Emulate AI workload in HTP runtime in x86 environment



# MODULAR AND EXTENSIBLE AI TOOLS COMPATIBLE WITH COMMON PUBLIC FRAMEWORKS



#### Key takeaways:

- ✓ Unified QNN API for neural networking
- ✓ Common tools and converters across Snapdragon\* SoCs
- ✓ Customers and applications portable across SoCs
- Modular and extensible per-accelerator backend libraries for reusable full stack AI solutions

