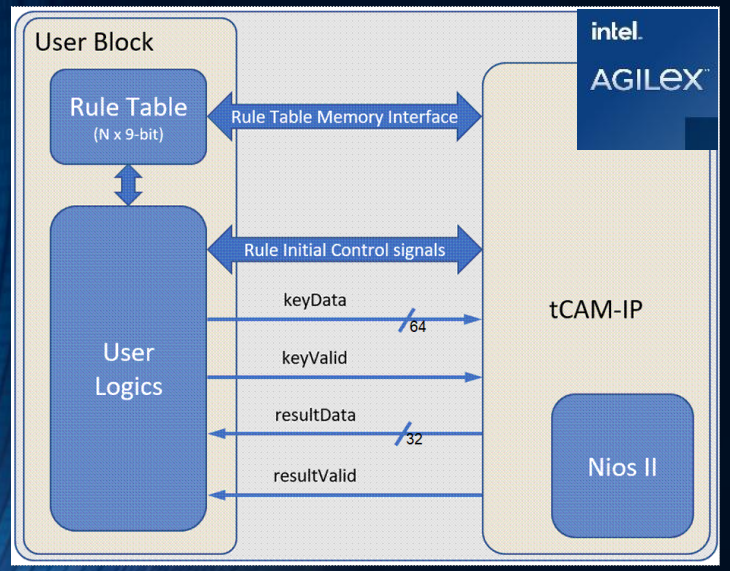
TCAM
TERNARY CAM IP CORE

Deterministic search at **400 MSPS** continuously speed with constant latency at **7** clock cycles * on Intel® Agilex™ I-Series

Block Diagram



Key Features

- Key width 64/56/48/40/32/24/16 bits
- Up to 1M rule entries
- Searching latency is constant at **7 clock** cycles
- Up to **400 MSPS @ 400MHz** searching speed
- Easy to customize rule table memory
- Simple rule table memory setup & user interface signals

Target Applications

Big data filtering

Intelligent switch/router

Deep Packet Inspection (DPI)

Available Demo on Agilex™

Learn more about tCAM-IP
https://dgway.com/tCAM-IP_A_E.html

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Searching Speed Comparison
Agilex™ 7 I-series vs Arria® 10 SX

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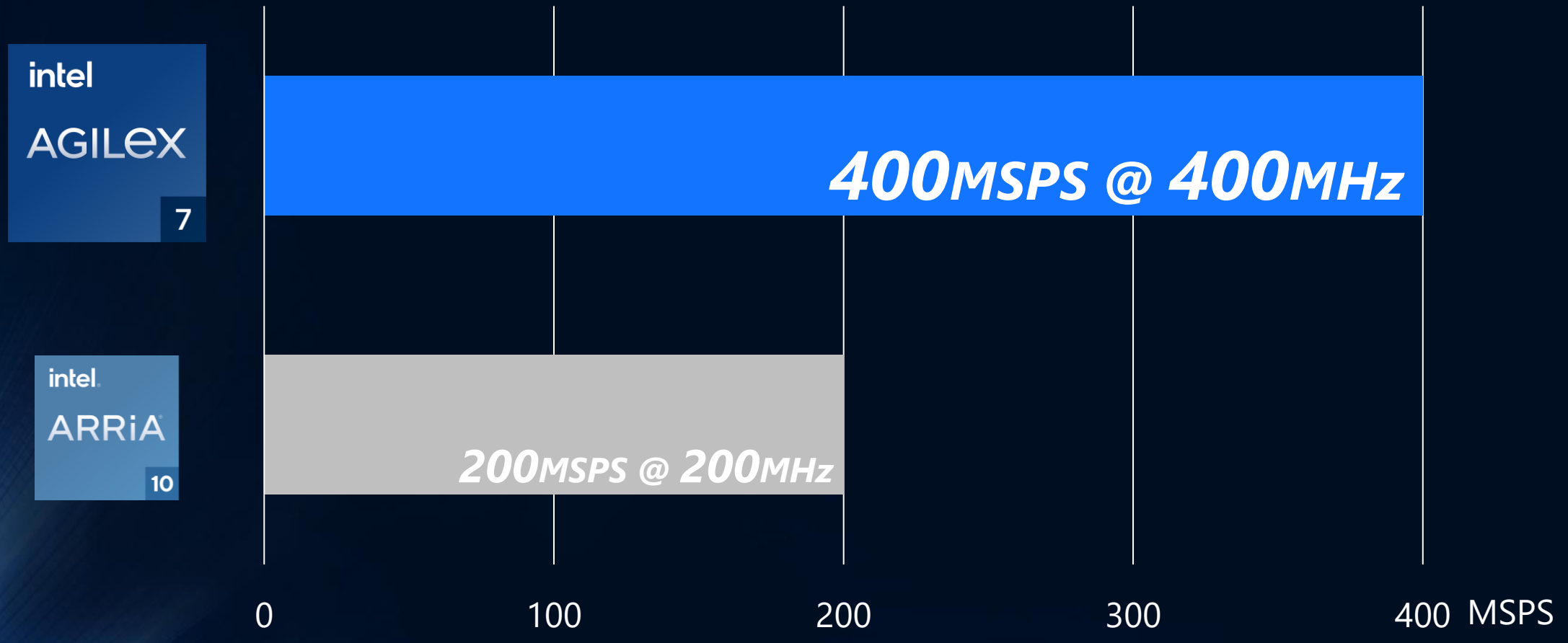

* 1,000,000 Search/MHz

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