



Industry's Most Complete Networking Portfolio Optimized for the Borderless Enterprise

Introducing latest Prestera[®] Switching and Alaska[®] PHY families

Overview

Company founded

1995

FY20 revenue

\$2.7B

Employees

5,000+

Patents worldwide

10,000+

Located in **Santa Clara, CA**

R&D centers in **US, Israel, India, Germany, China**



Most complete data infrastructure portfolio

Semiconductor solutions that move, store, process, secure the world's data faster and more reliably than anyone else



Processors
#1 in baseband and data plane processors



Storage
#1 in HDD and SSD controllers, Fibre Channel



Networking
#2 in Switches and PHYs

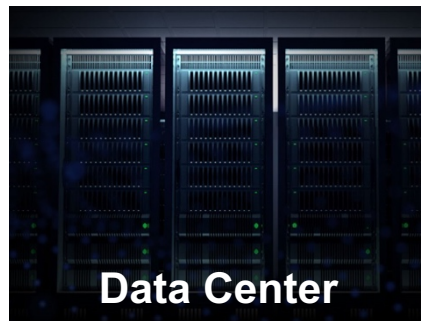
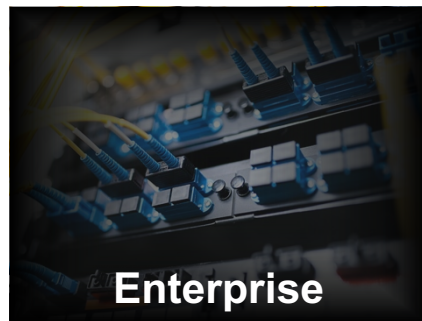
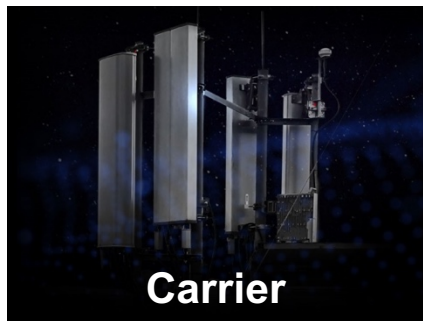


Security
#1 in security processors

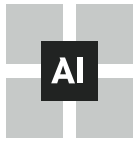
Networking, done right

20 years of customer-driven innovation and leadership

#1 in Access Switching | #1 in Multi-Gigabit PHYs



Key enterprise focus areas



Analytics
and AI



Security



End-to-end
management



Automation



Multi-cloud
Hybrid-cloud

COVID-19 accelerates timelines to address digital transformation needs

References:

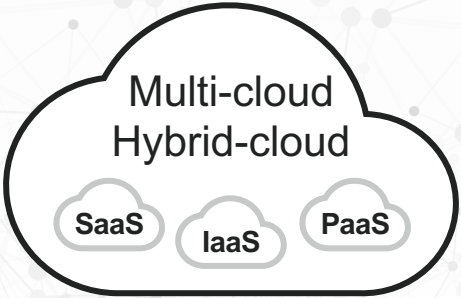
Cisco Global Networking Trends Survey; Network Strategist

Morgan Stanley, 2Q20 CIO Survey: IT Hardware Takeaways

Dell'Oro Ethernet Switch – Campus five year forecast

Deloitte University Press Future of Work accelerated; Learnings from the COVID-19 Pandemic

Borderless Enterprise



Branch offices



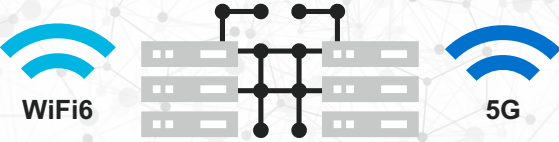
Enterprise campus



Regional data centers



Remote workers



Edge compute



IoT



Launching Industry's Most Complete Networking Portfolio Optimized for the Borderless Enterprise

Prester[®] Switches and Alaska[®] PHYs

End-to-end enterprise portfolio



Visibility

Actionable Analytics



Aggregation and Core Switches

25/50/100GE Optical PHYs



Performance

Service Assurance
Resilient Bandwidth

Security

Zero-Trust Access
MACsec Encryption



Premium Access Switches

10GE Copper PHYs



Intelligence

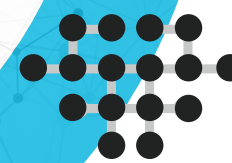
AI Enablement
Smart Services

mGig Access Switches

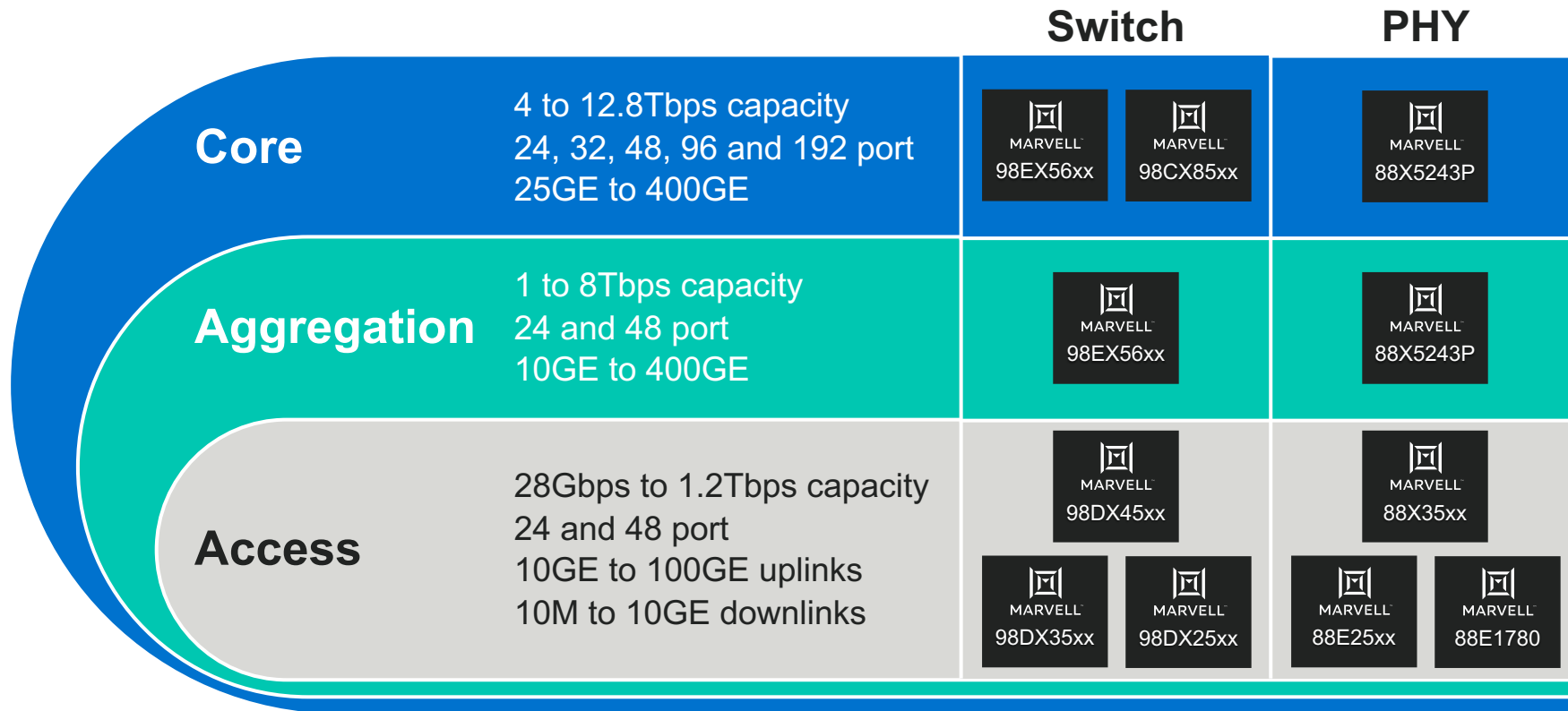
2.5/5GE Copper PHYs

GE Access Switches

1GE Copper PHYs



Access to Core borderless enterprise portfolio



Switches



5K Series: Aggregation and Core

- 24/48 ports x 25/40/100G
- 96/192 ports x 10/25G
- 100/400G uplinks



4K Series: Premium Access

- 24/48 ports x 1/2.5/5G
- 24 ports x 10G
- 100G uplinks / 400G stacking



3K Series: multi-Gigabit Access

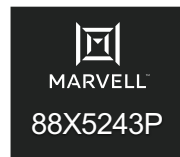
- 24/48 ports x 1/2.5G
- 24 ports x 5G
- 10/25GE uplinks / stacking



2K Series: GE Access

- 24 ports x 1G
- 8 ports x 2.5G
- 10GE uplinks / stacking

PHYs



25GE/50GE/100GE Optical PHY

- Quad 100GbE, 16 port 25GbE/10GbE
- Best-in-class SerDes performance
- 256b MACsec encryption



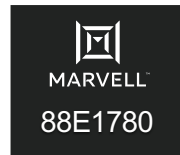
mGig 10GE Copper PHY

- Quad port device
- 6 speed operation from 10Mbps to 10Gbps
- Superior reach/EMI mitigation performance



mGig 2.5/5GE Copper PHY

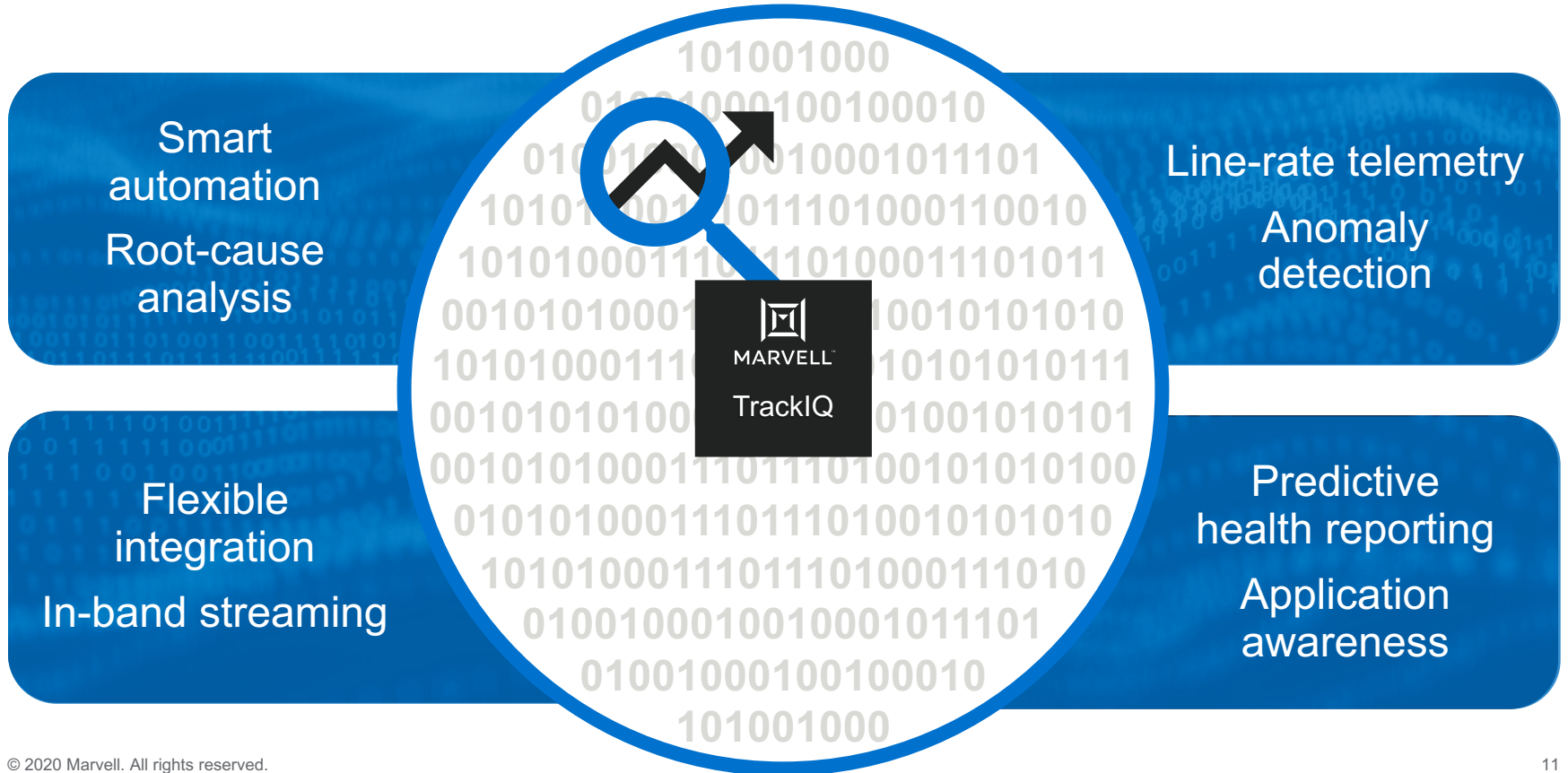
- Quad port device
- 5 speed operation from 10Mbps to 5Gbps
- >230m Cat5e cable reach at 2.5Gbps



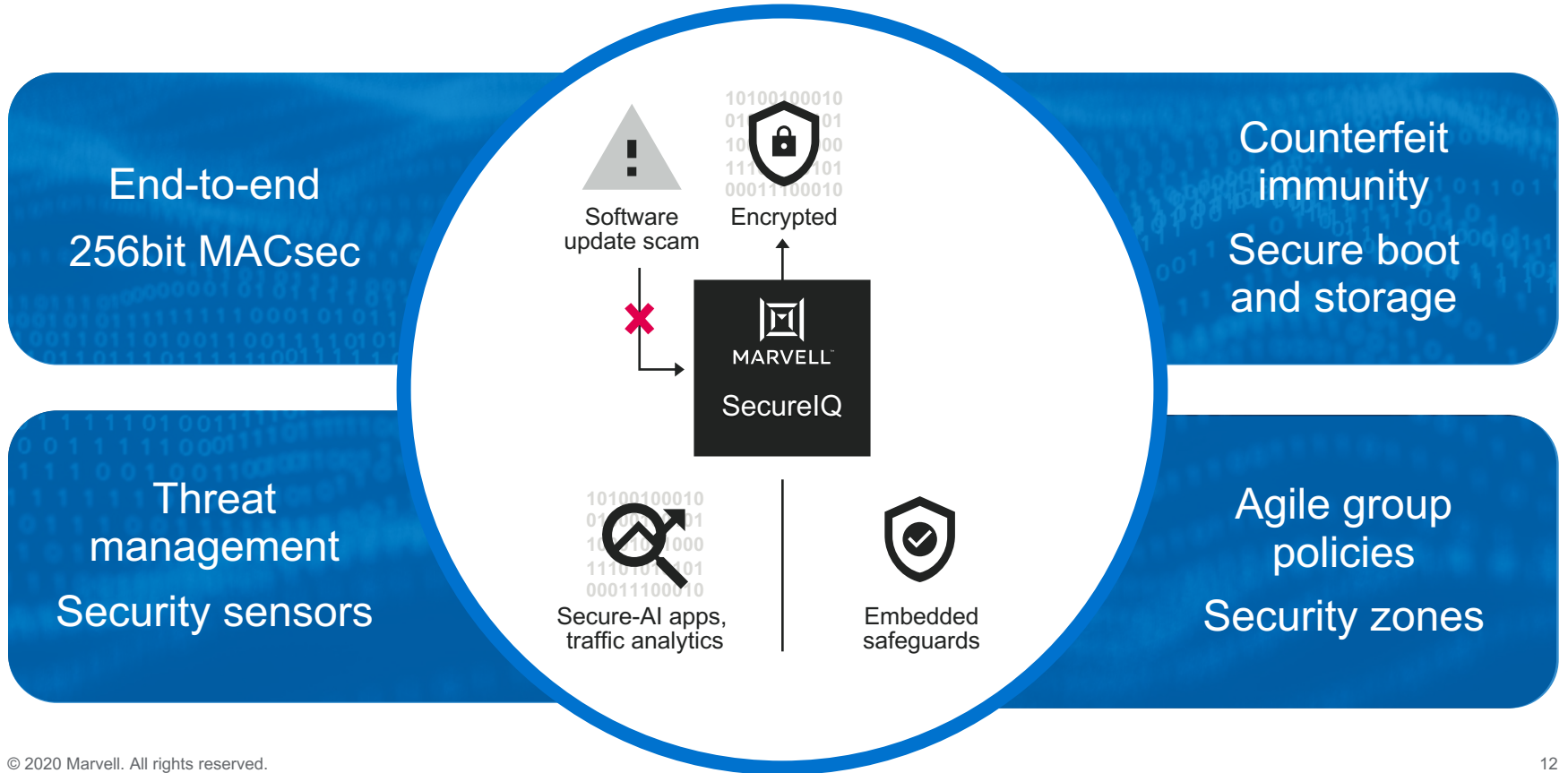
1GE Copper PHY

- Octal port device
- 3 speed operation from 10Mbps to 1Gbps
- Ultra low power dissipation – no heat sink needed

Visibility for actionable analytics



Zero-trust integrated security



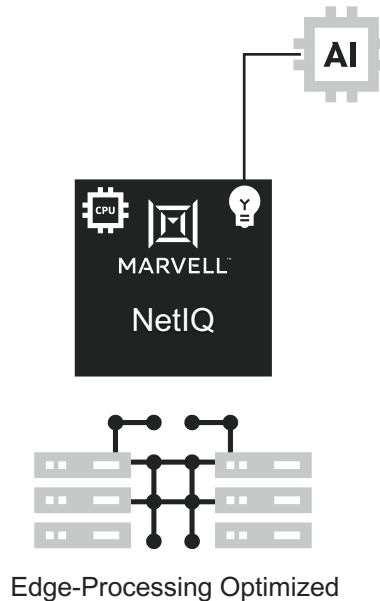
Intelligent processing acceleration

AI application
enablement
Infrastructure
automation

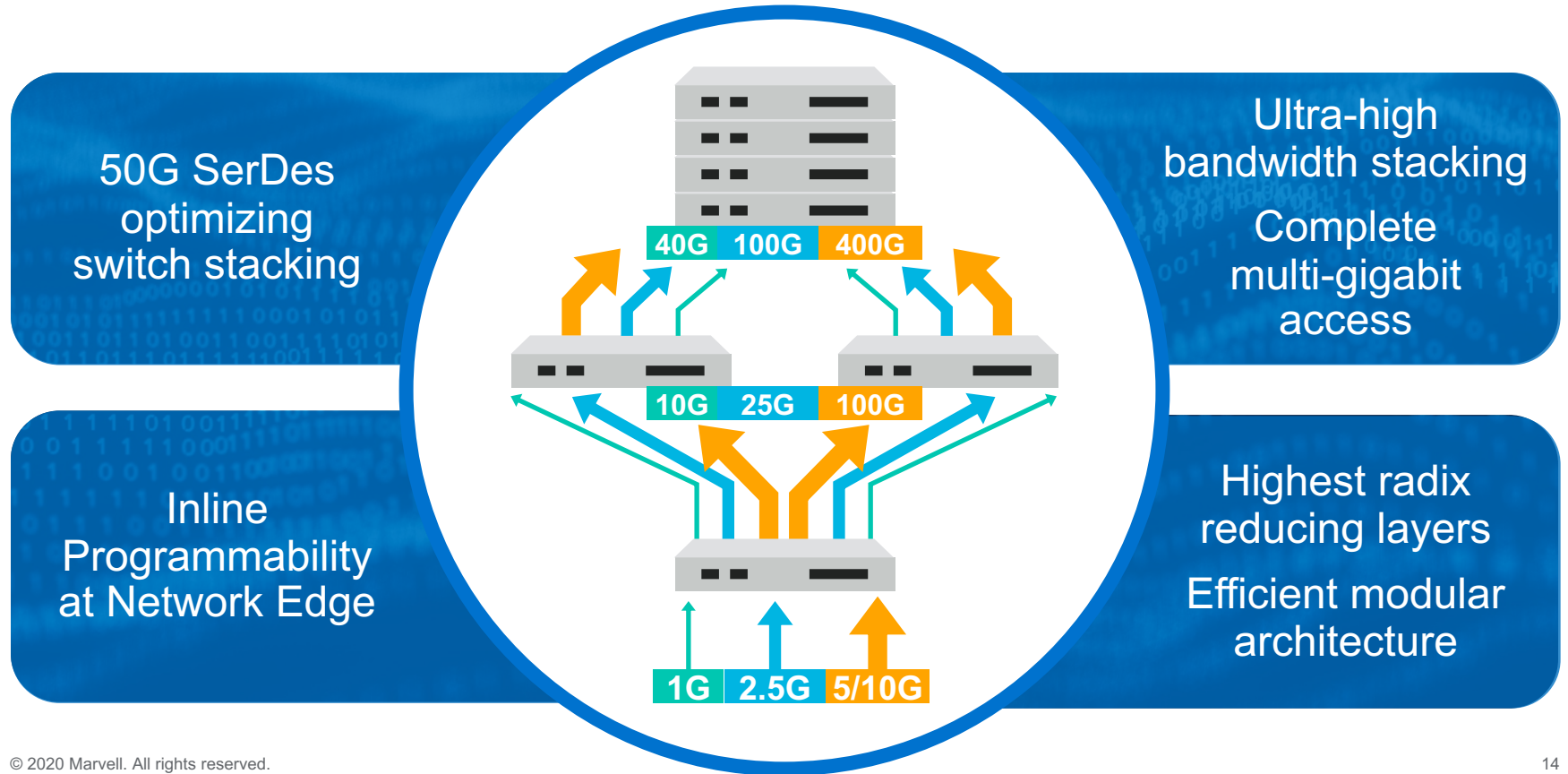
Smart services
offload
In-network
computing

Autonomous
networks
enablement

Flow-aware
processing
Smart Traffic
Engineering



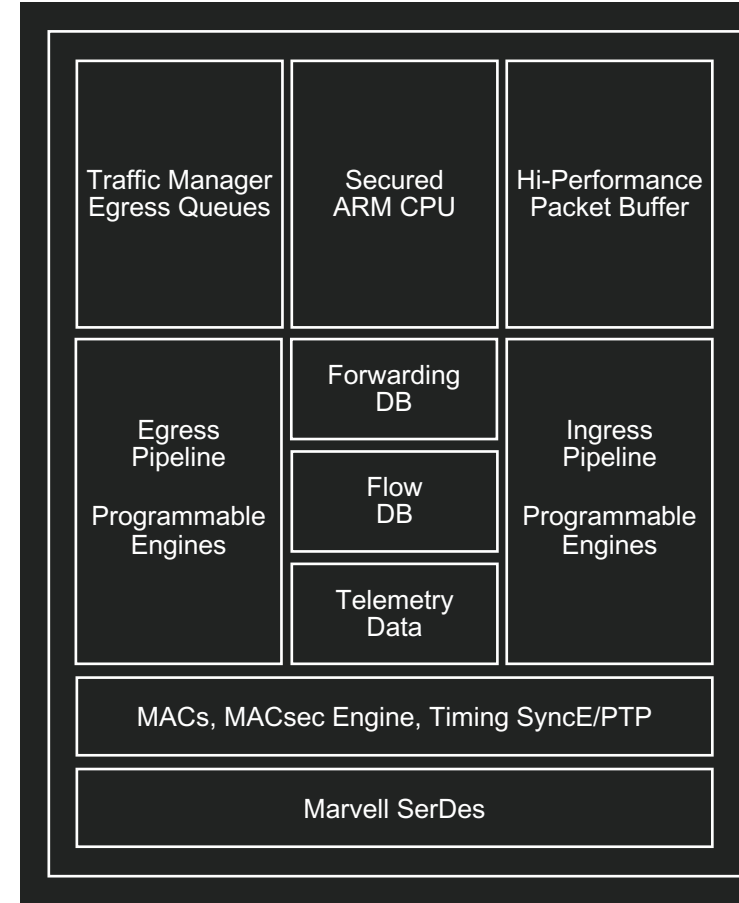
End-to-end high performance and resiliency



Scalable Prestera[®] Architecture

- Programmable feature-rich processing pipeline
- Flow-aware data processing and traffic management
- Integrated MACsec, secure boot and storage
- Security sensors for traffic anomaly detection
- Line-rate telemetry collection and flexible reporting
- Multi-core ARM CPUs to run embedded software
- Accurate timing synchronization for SyncE / PTP

Common architecture across access to core switches minimizes customer development costs and time-to-market



Multiple software offerings enabling customers



Software
Development Kit
(SDK)

Industry standard
application interfaces

Turnkey
Solution
(MTS)

Smart and managed
networking solutions



White box
eco-system



Edge to cloud
infrastructure
eco-system

Disrupting status quo with key innovations and eco-system partners

Marvell optimizing the borderless enterprise

1

Industry-leading borderless enterprise networking portfolio

2

State of the art telemetry and visibility

3

Built-In intelligence and AI capabilities for smart services

4

Best-in-class end-to-end performance to scale borderless enterprise

5

Optimized embedded security with counterfeit immunity

6

Broad software support for most comprehensive networking portfolio



Q&A



Essential technology, done right™