

*Rambus*

# Rambus + Northwest Logic

**R**

August 2019


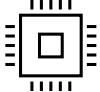
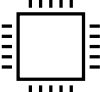



# Rambus at a Glance

## Market Megatrends

- Renaissance of computer architectures, **memory critical and driving innovation**
- Internet giants moving **SoC design in-house**, enabling TAM expansion
- **Secure semiconductor HW, SW and supply chain essential** for global commerce

## Rambus Offerings

Architecture Licenses		High-speed IO & DPA Countermeasures
IP Cores		Memory & SerDes PHYs; Secure Cores
Chips		Memory Buffers
Key Management		Secure Supply Chain Provisioning

## Financial Performance

### Revenue

Q219: \$58.3M

2018: \$231.2M  
\$401.1M (ASC 605)



### Cash from Operations

Q219: \$38.7M

2018: \$87.1M



NASDAQ:  
**RMBS**

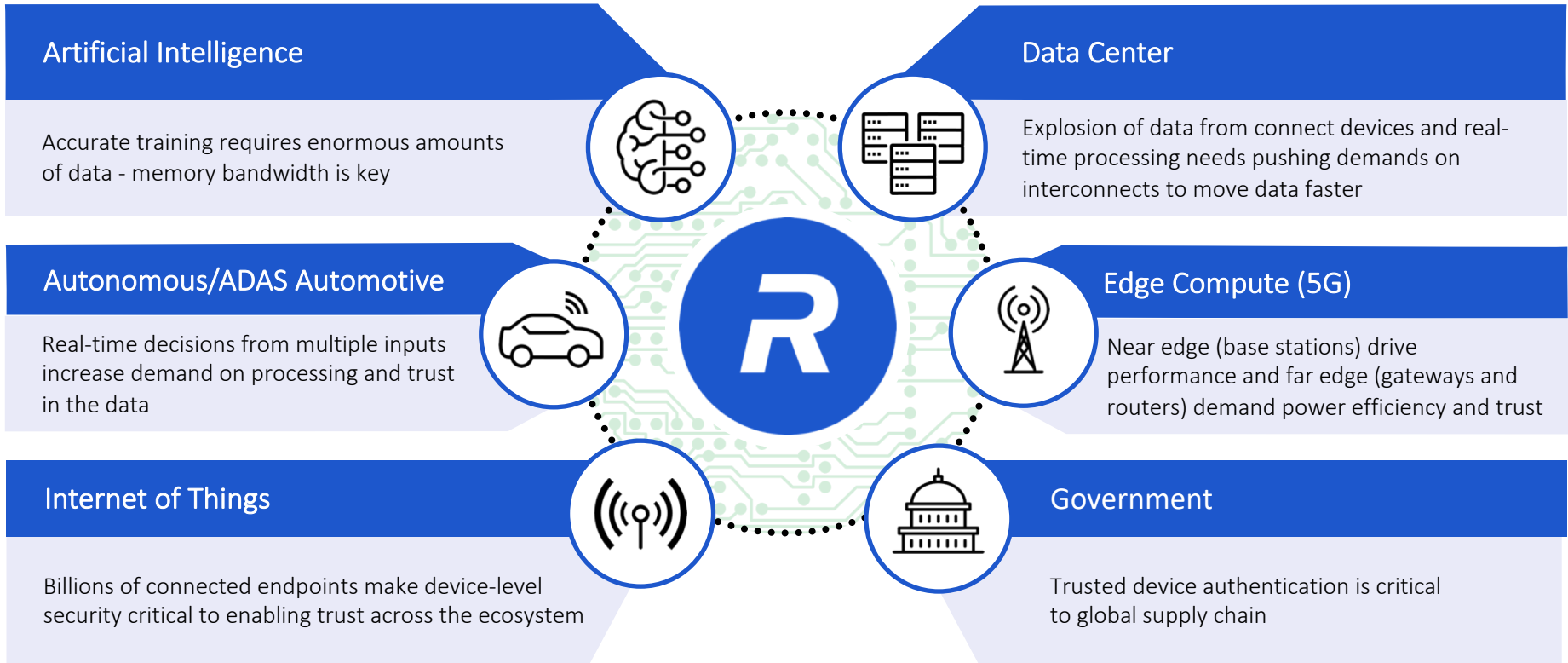
**25+**  
Years  
Tech leadership  
& innovation

**2600+**  
Patents and  
Applications

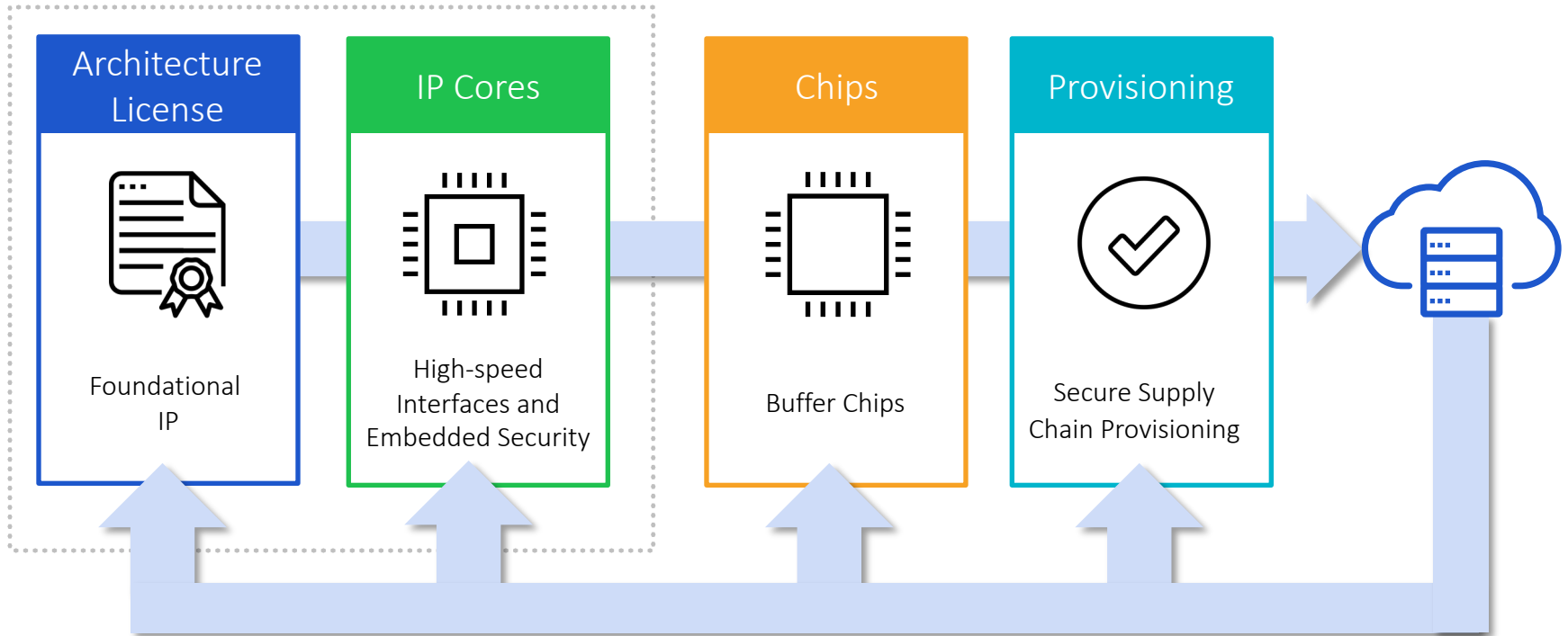
HQ:  
**California**  
WW Offices in  
India, EU, Asia

**~800**  
Employees  
Worldwide

# All Growth Markets Are Impacted by Megatrends



# Semiconductor Solutions Built on Leading-Edge IP



# Complementary Physical and Digital IP Portfolios

## Comprehensive Interface IP Portfolio

**Rambus**

Memory and  
SerDes PHYs

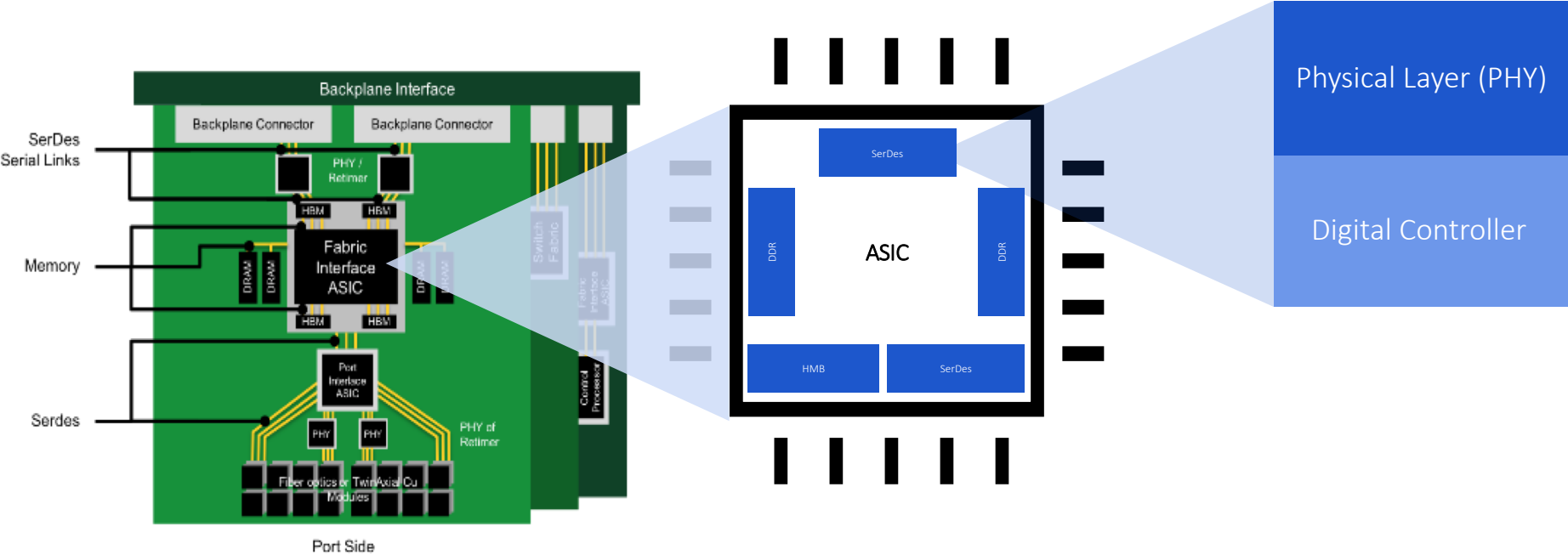
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Memory and  
SerDes Controllers

# Delivering More Data, Faster

- High-speed memory and SerDes interfaces are critical for performance in data-intensive applications
- Every interface requires a physical layer (PHY) and digital controller



# Complementary Physical and Digital IP Portfolios

	DDR4	GDDR6	HBM2	PCIe	MIPI
	✓	✓	✓	✓	
 a Rambus Company	✓	✓	✓	✓	✓
Markets	Data Center Networking Edge Automotive AI + ML IoT	Data Center Networking Automotive AI + ML	Data Center Networking AI + ML	Data Center Networking Edge Automotive AI + ML IoT	IoT Mobile



Thank you

**Rambus**  
Data • Faster • Safer