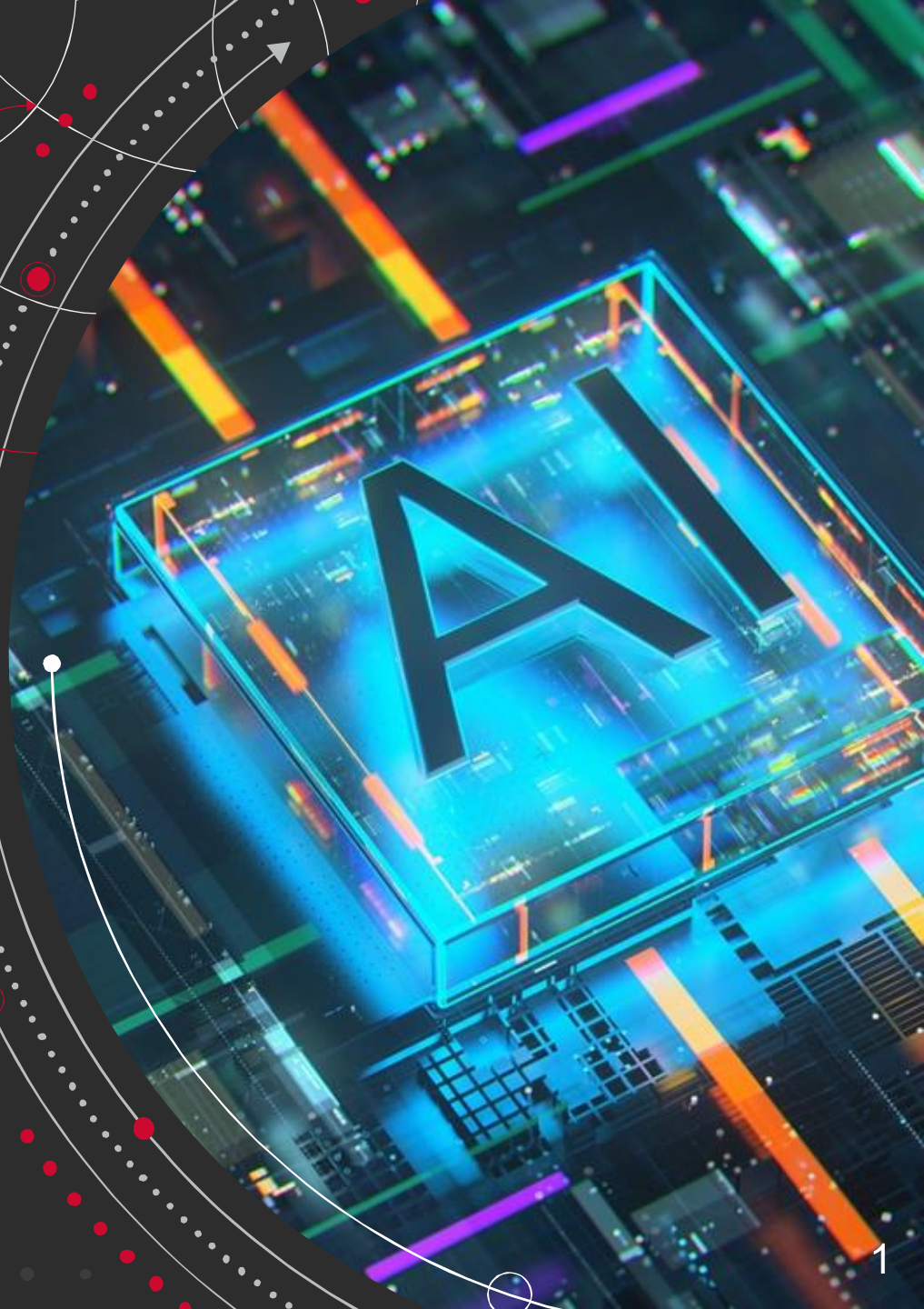
BROADCOM

Wi-Fi for the AI Age

Broadcom Inc.

January 2026

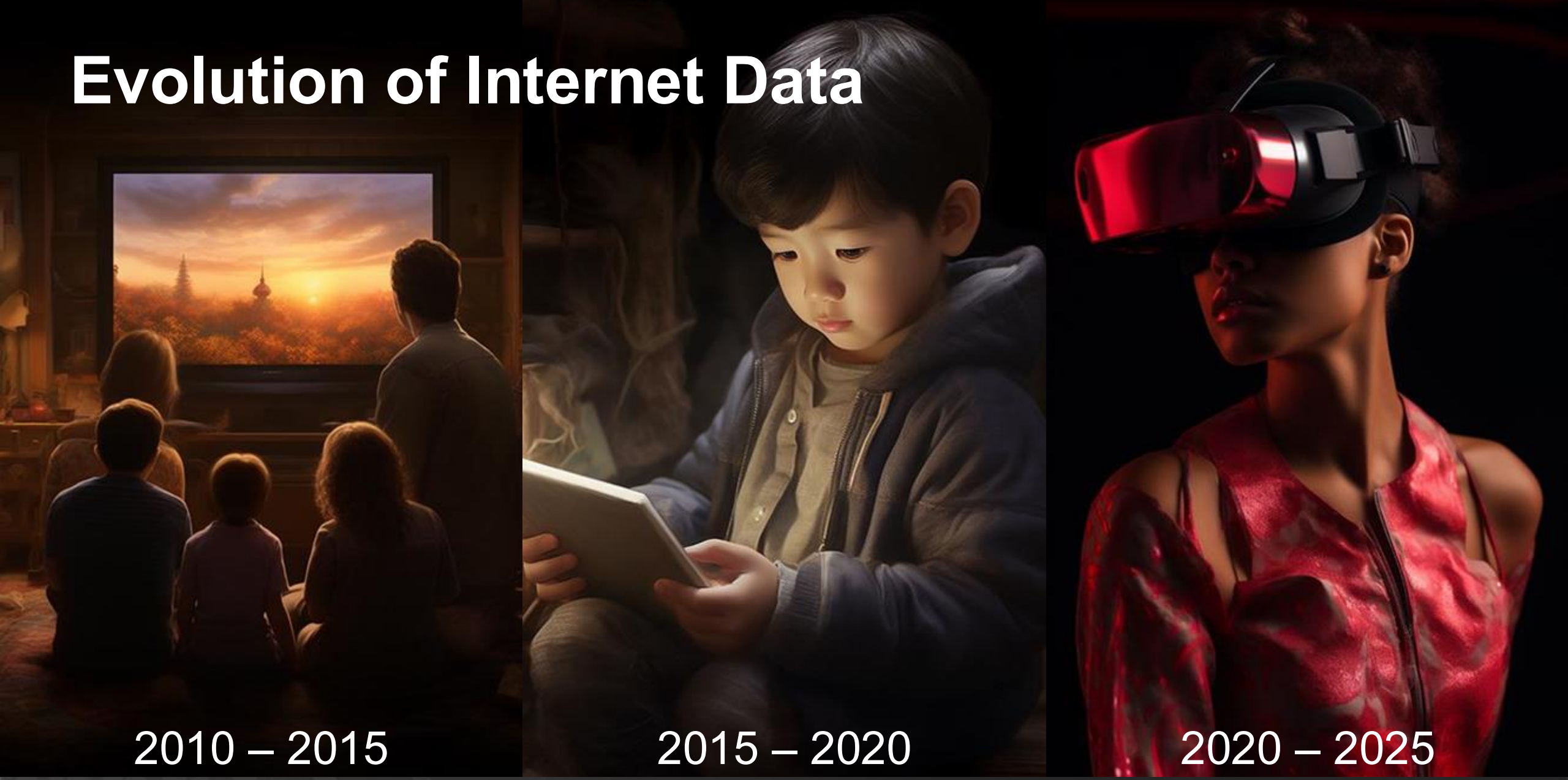


Safe Harbor Statement

This presentation contains forward-looking statements (including within the meaning of Section 21E of the United States Securities Exchange Act of 1934, as amended, and Section 27A of the United States Securities Act of 1933, as amended) which are based on current expectations and beliefs of the management of Broadcom, as well as assumptions made by, and information currently available to, such management, current market trends and market conditions and involve risks and uncertainties, many of which are outside Broadcom's and management's control, and which may cause actual results to differ materially from those contained in forward-looking statements. Accordingly, you should not place undue reliance on such statements.

Broadcom's filings with the SEC, which you may obtain for free at the SEC's website at https://www.sec.gov, and the cautionary notes regarding forward-looking statements in its press release dated March 6, 2025, discuss some of the important risk factors that may affect Broadcom's forward-looking statements, business, results of operations and financial condition. Actual results may vary from the estimates provided or implied. Broadcom undertakes no intent or obligation to publicly update or revise any of the estimates and other forward-looking statements made in this presentation, whether as a result of new information, future events or otherwise, except as required by law.

Evolution of Internet Data



2010 – 2015

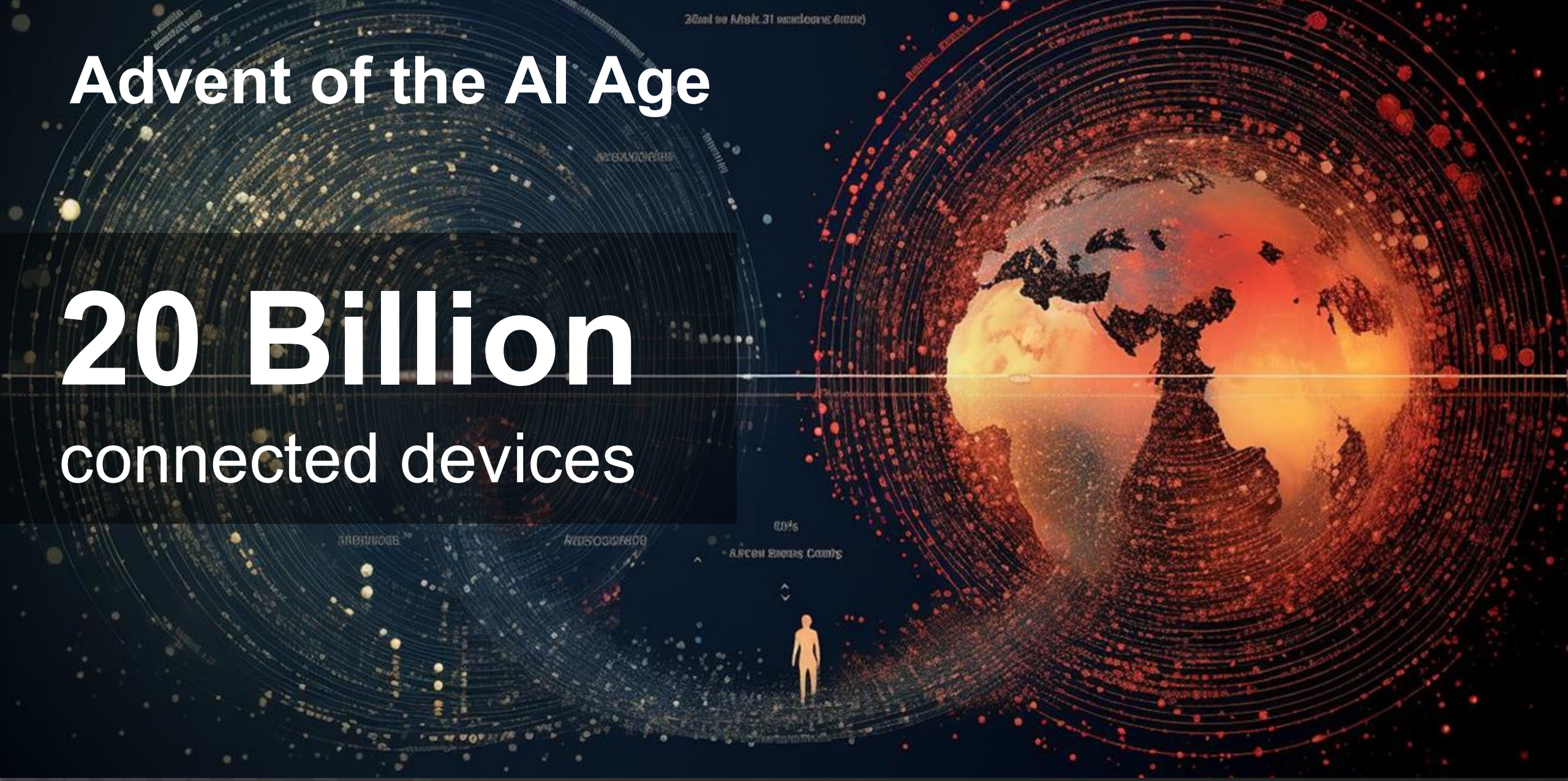
2015 – 2020

2020 – 2025

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Advent of the AI Age



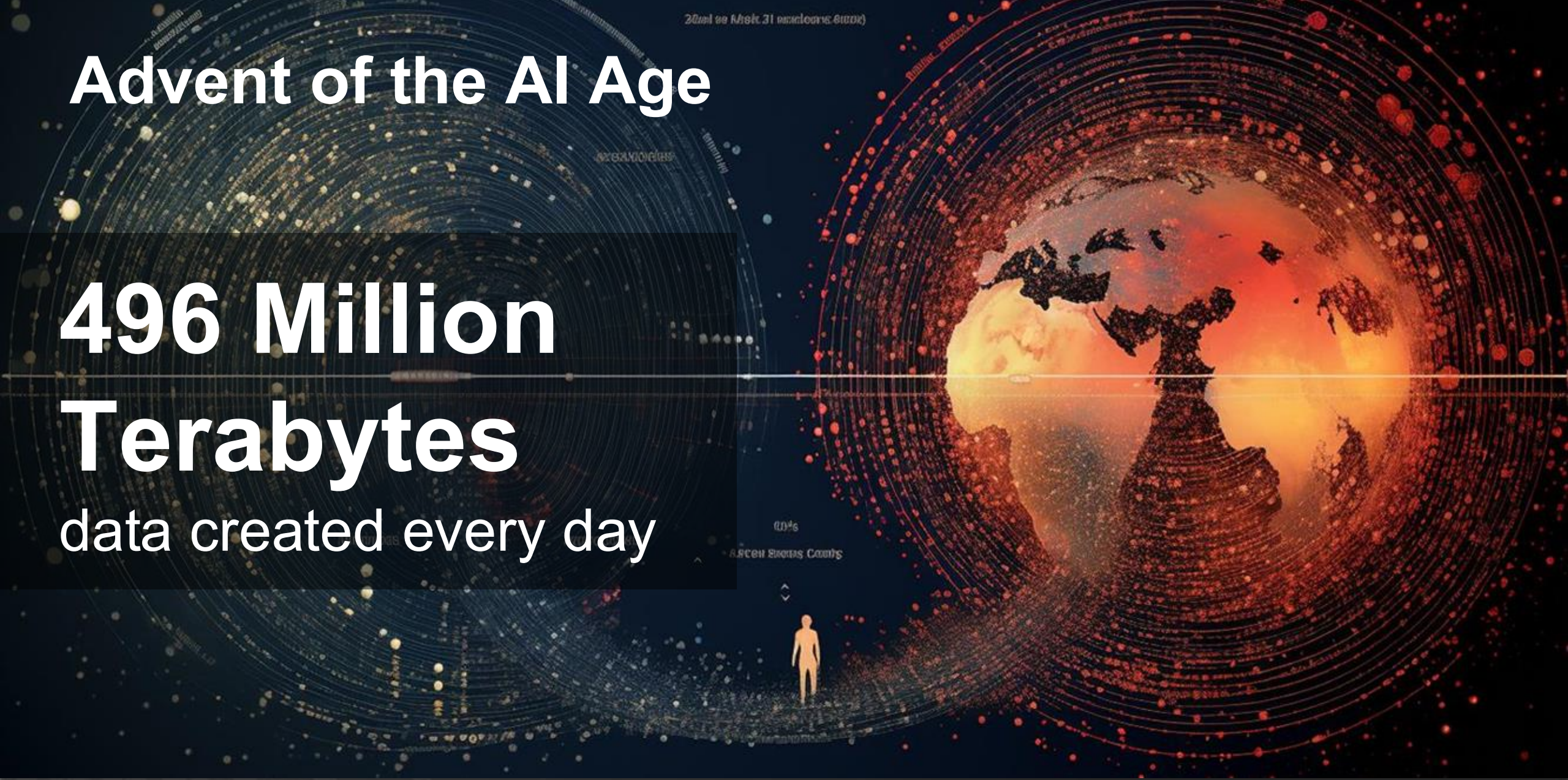
20 Billion

connected devices

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Advent of the AI Age



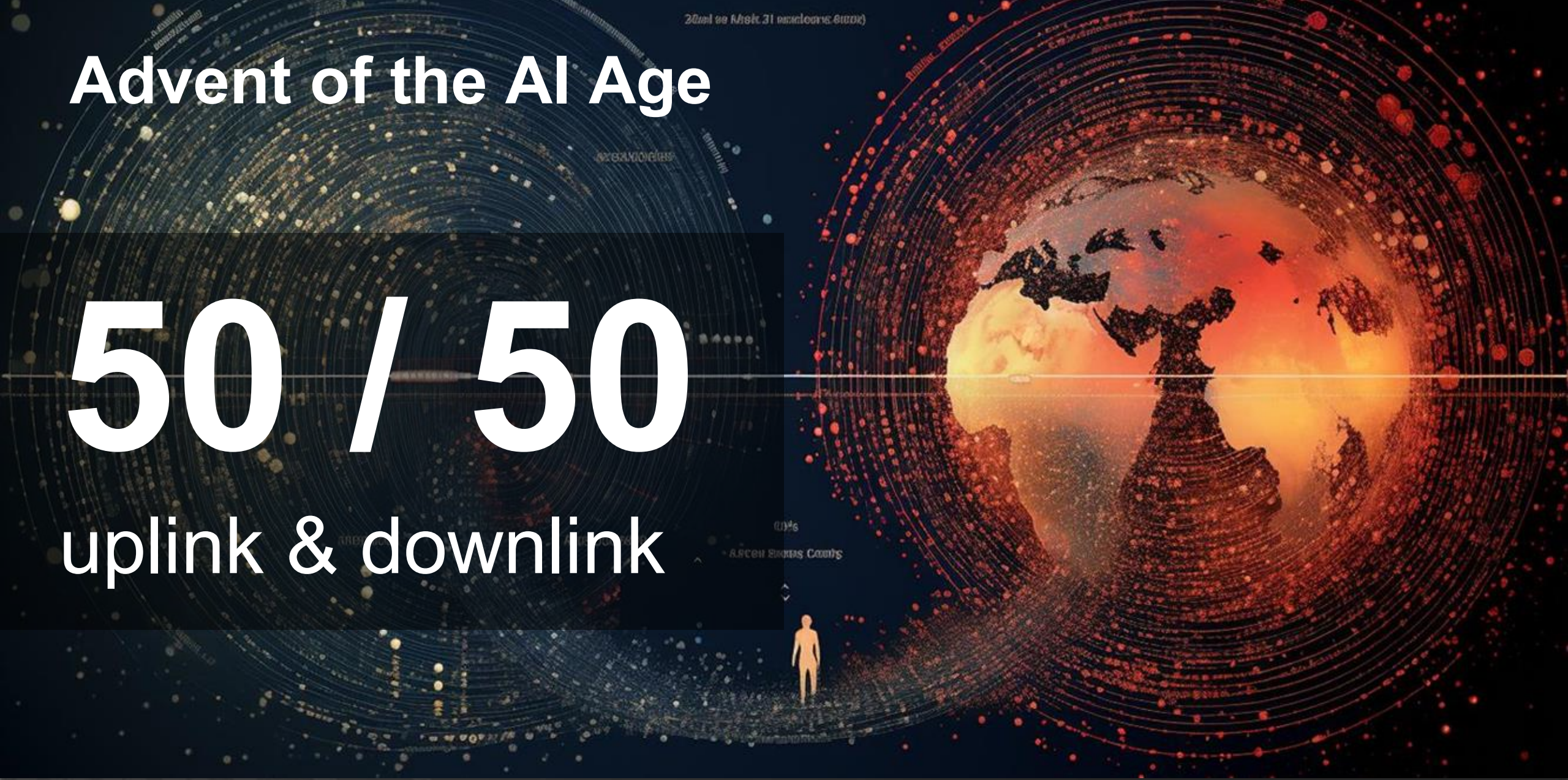
496 Million Terabytes

data created every day

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Advent of the AI Age



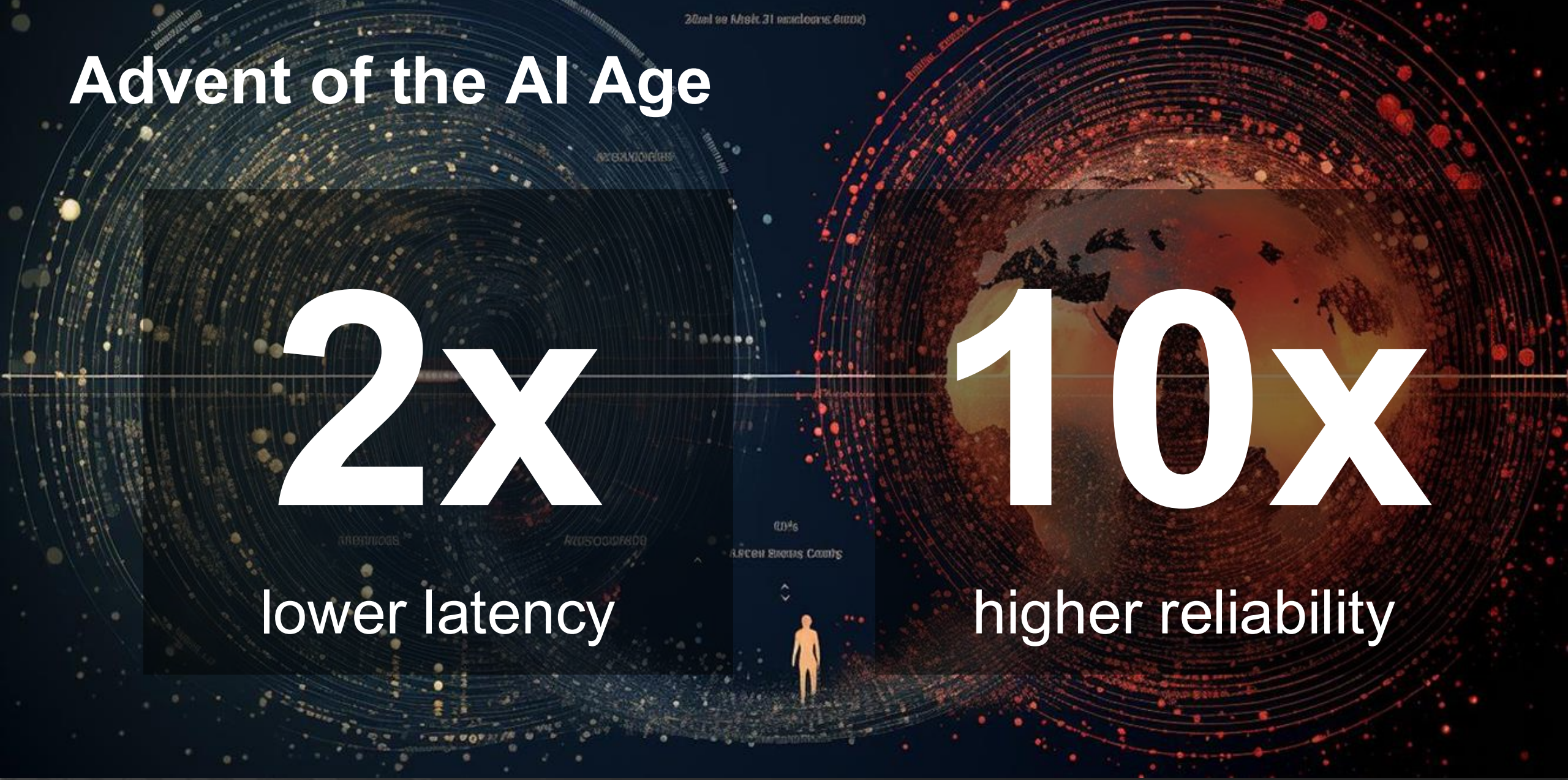
50 / 50

uplink & downlink

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Advent of the AI Age



2x

lower latency

10x

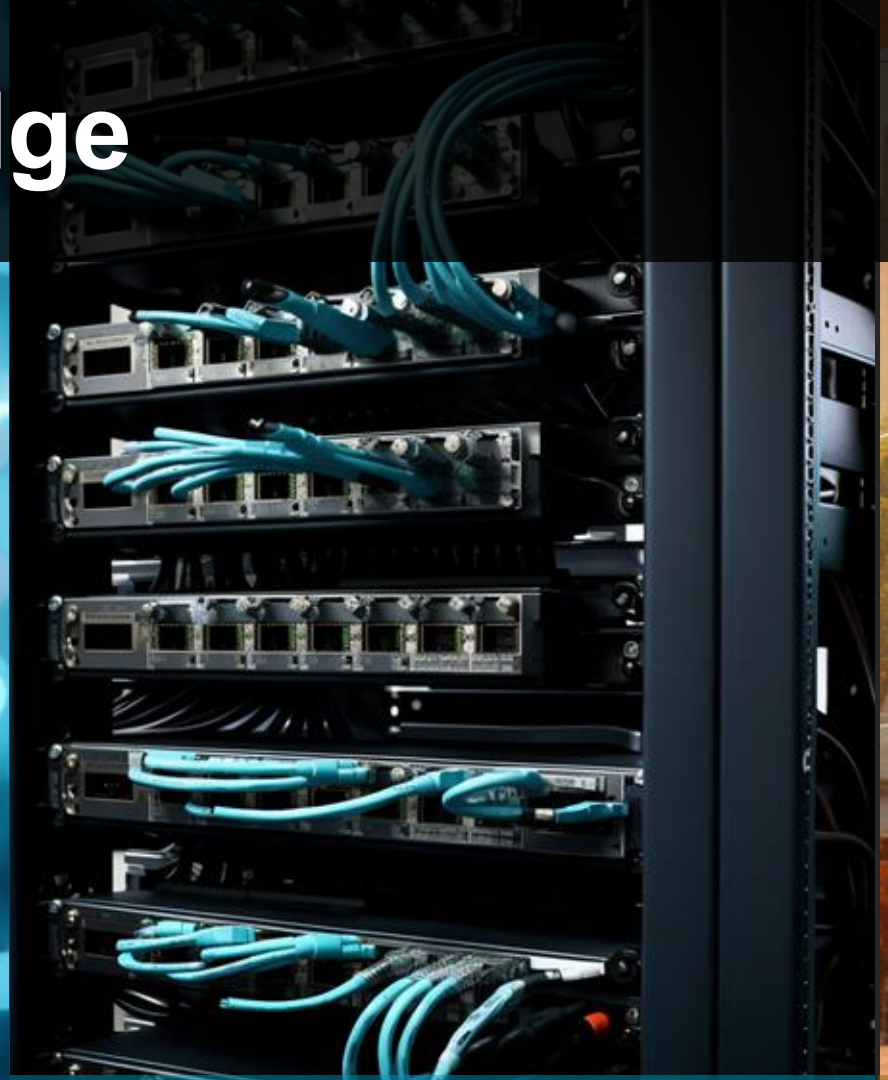
higher reliability

OPEN // SCALABLE // POWER EFFICIENT

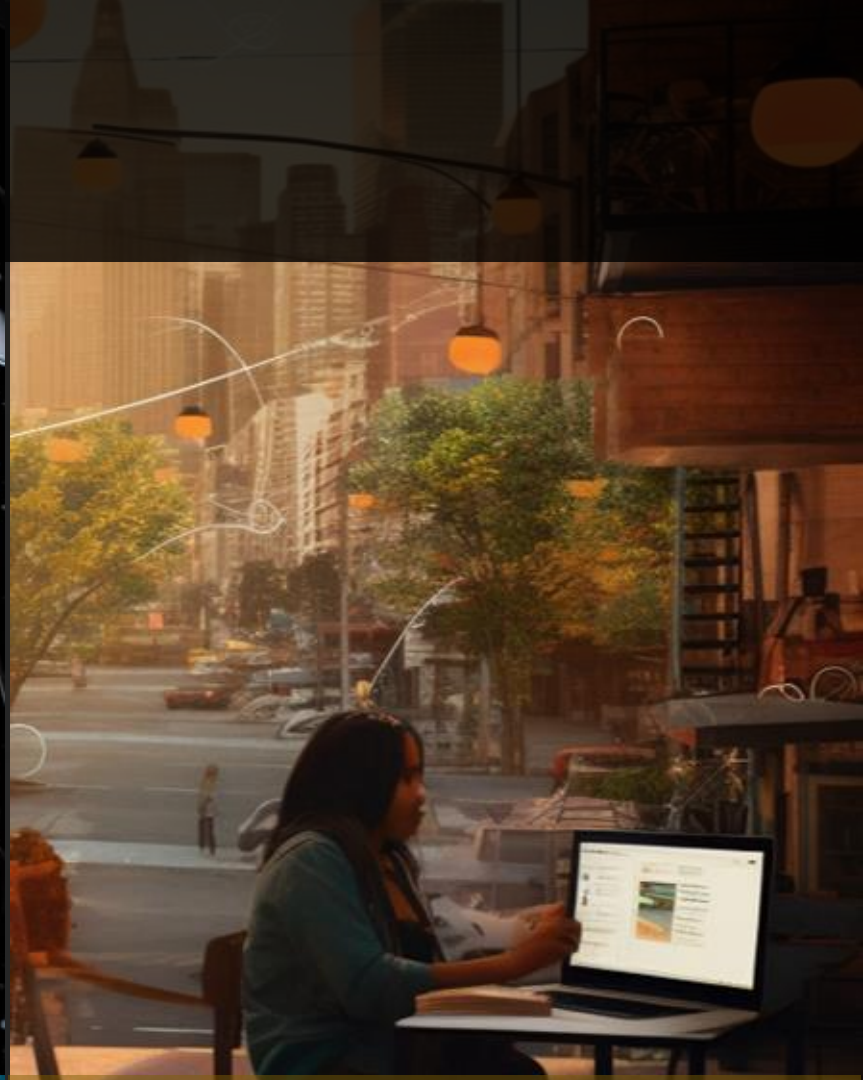
BROADCOM

AI = A New Edge

Edge Compute



50G Broadband



Intelligent Wi-Fi

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Broadband Gateway

Perfect Edge AI Device

- 25/50 Gbps Fiber/DSL
- NPU Edge Compute
- AI-Ready Wi-Fi

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

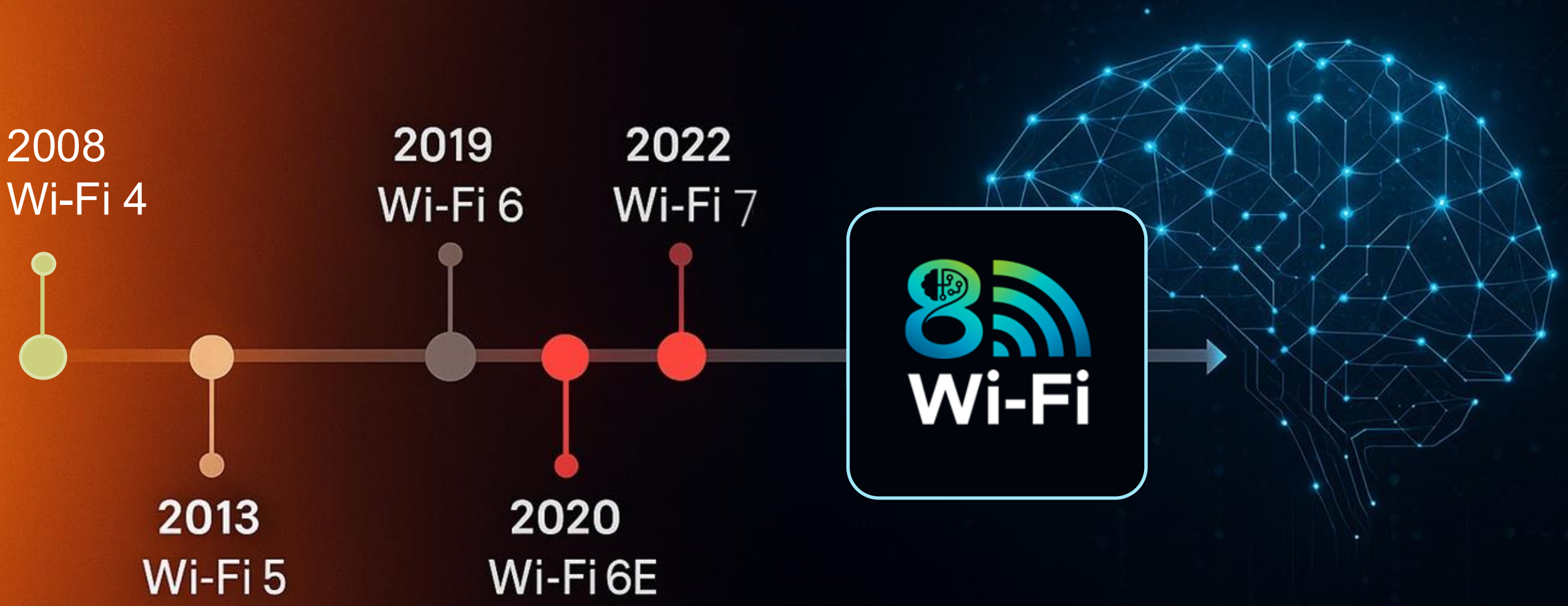
INTRODUCING

The Wi-Fi for AI

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

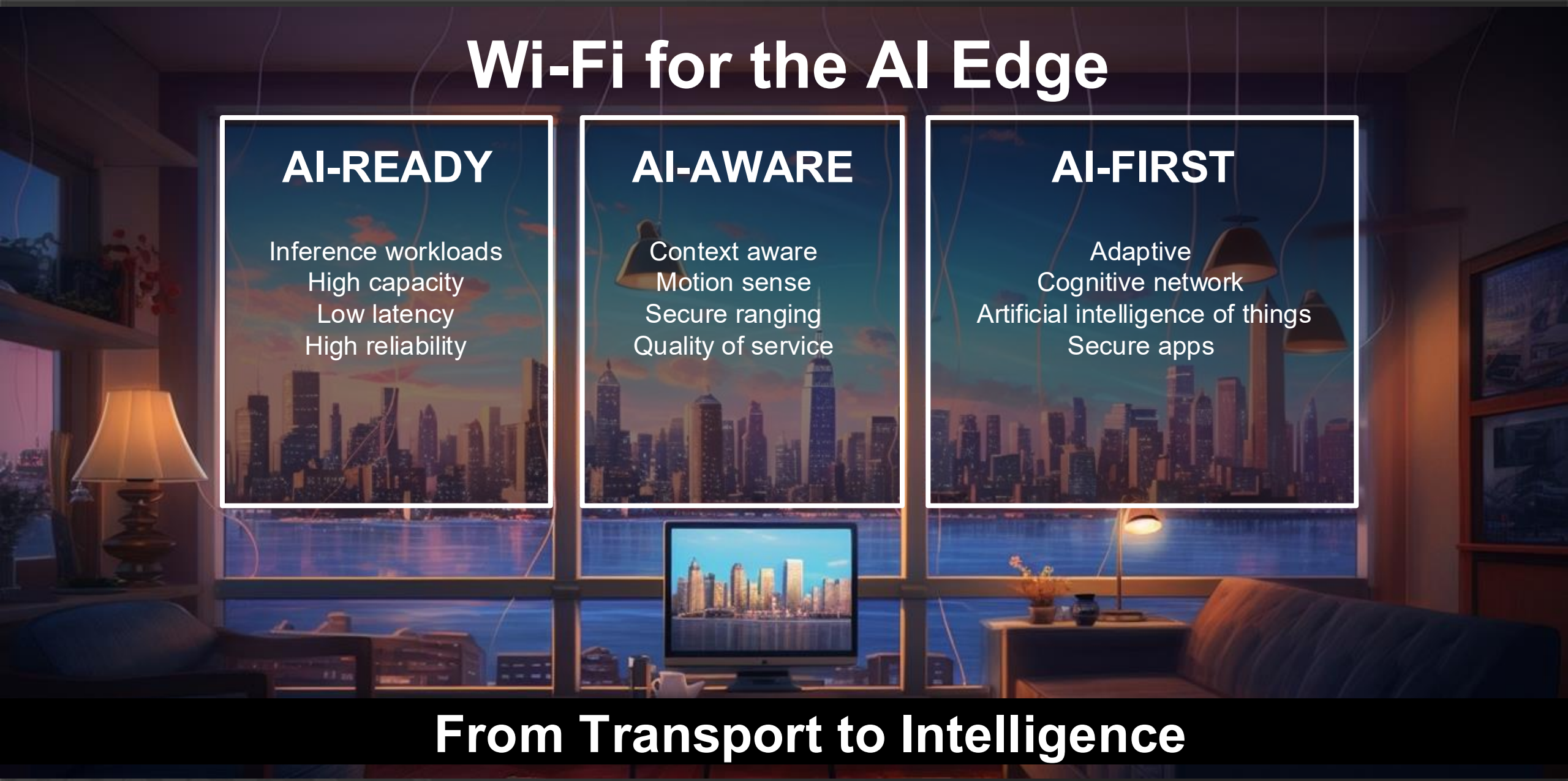
Broadcom Generational Leadership



OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Wi-Fi for the AI Edge



AI-READY

Inference workloads
High capacity
Low latency
High reliability

AI-AWARE

Context aware
Motion sense
Secure ranging
Quality of service

AI-FIRST

Adaptive
Cognitive network
Artificial intelligence of things
Secure apps

From Transport to Intelligence

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

THROUGHPUT

Unequal Modulation

Enhanced MCS

Advanced LDPC codes

RANGE

Distributed Resource Units

Enhanced Long Range

CAPACITY

Inter-AP Coordination

Non-Primary Channel Access

Dynamic Subband Operation (DSO)

Dynamic Bandwidth Expansion

RELIABILITY AND QoS

Low Latency Indication

Seamless Roaming

QoS Enhancements

Prioritized EDCA

Enhanced In-Device Coexistence

Wi-Fi 8 Delivers Even in Congested Networks

200%
higher median
THROUGHPUT

6x
lower P99 AI-Ready voice
LATENCY

50%
reduction in active
POWER CONSUMPTION

2x
better
IOT COVERAGE

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Ultra High Reliability ⇨ Better Latency

BEFORE

P95/P99 spikes

Wi-Fi

- **Inter-AP co-ordination**
- **Prioritization**
- **In-device coexistence**
- **Seamless roaming**

AFTER

< P95/99 tails

Queue-- Jitter-- Collision --

QoS++ Spectrum Utilization ++

OPEN // SCALABLE // POWER EFFICIENT

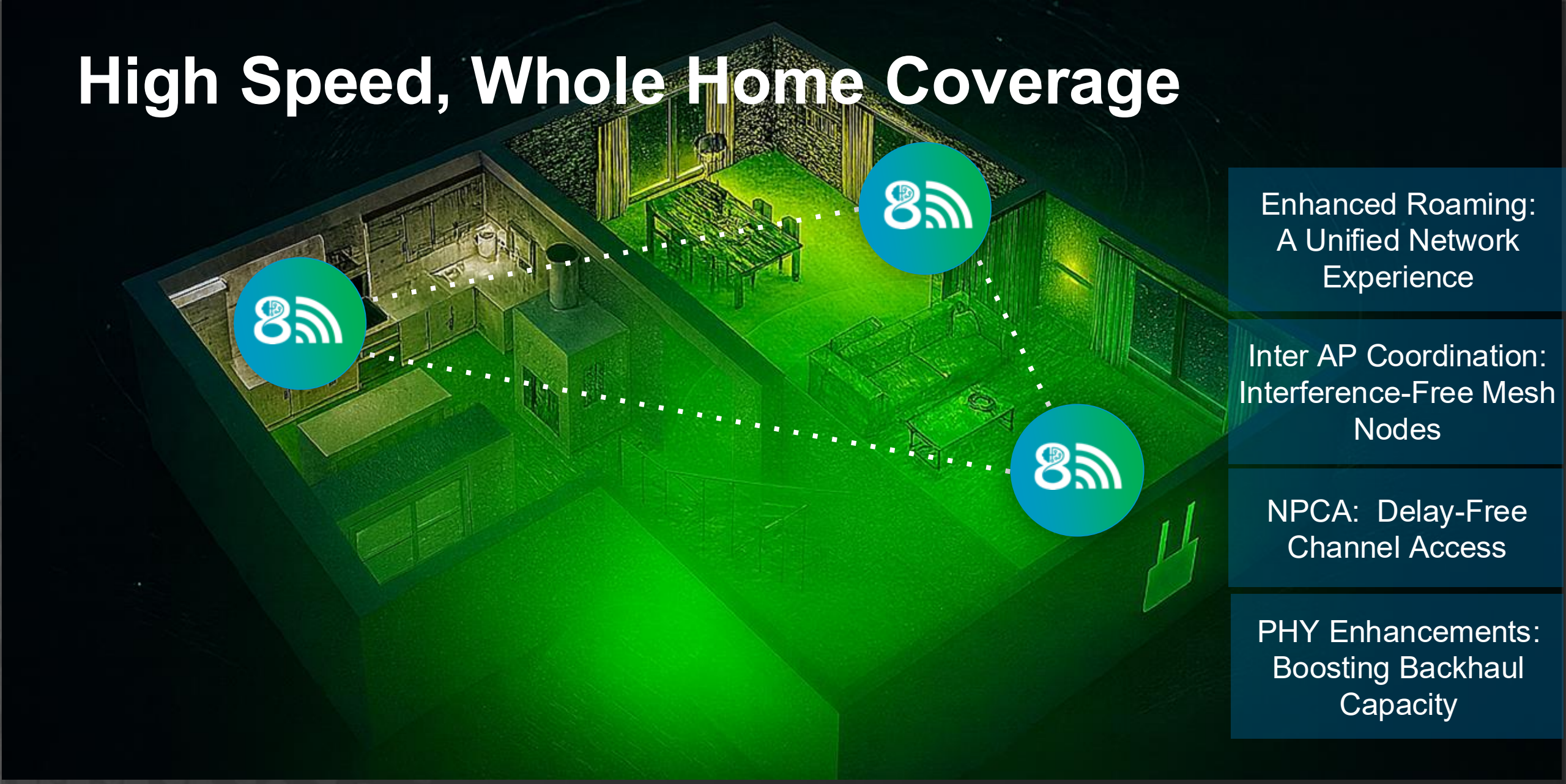
BROADCOM

High Speed, Whole Home Coverage

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

High Speed, Whole Home Coverage



Enhanced Roaming: A Unified Network Experience

Inter AP Coordination: Interference-Free Mesh Nodes

NPCA: Delay-Free Channel Access

PHY Enhancements: Boosting Backhaul Capacity

BROADCOM

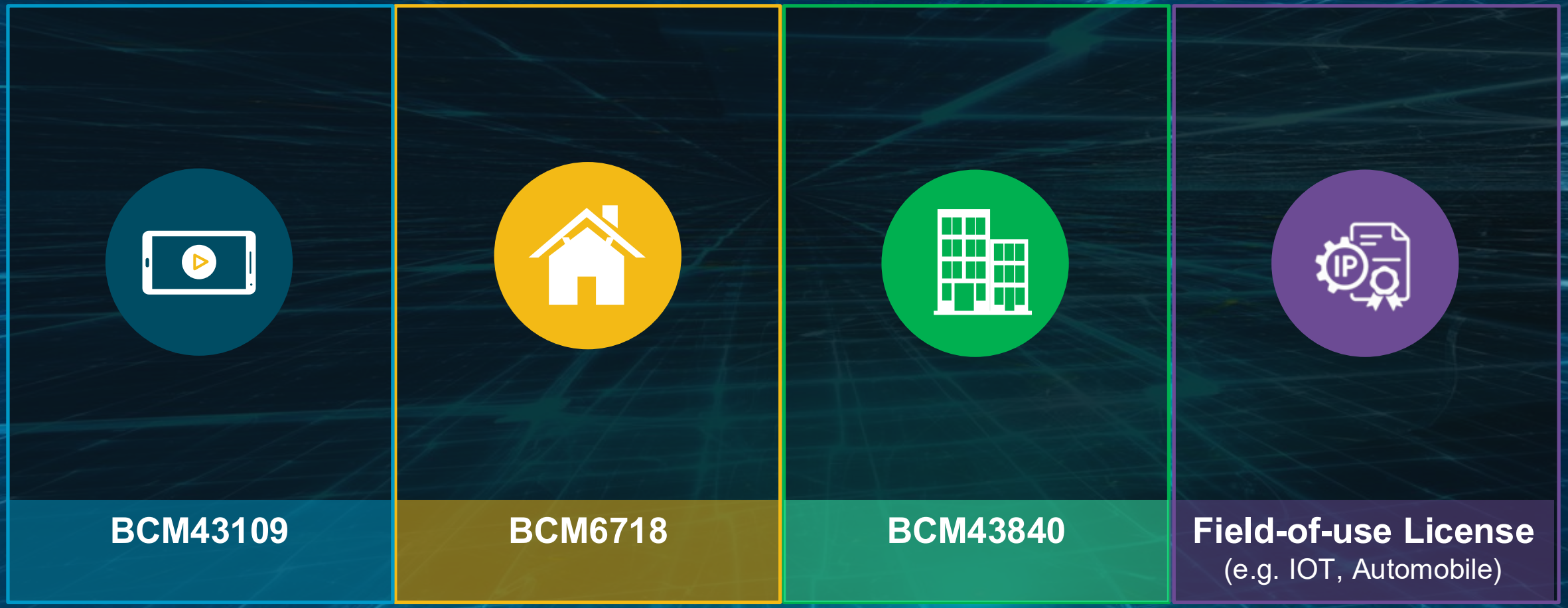
INTRODUCING

THE WORLD'S FIRST WI-FI 8 ECOSYSTEM

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Broadcom Wi-Fi 8 Ecosystem



OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

BCM43109 Key Features

1. 2x2 320 MHz Wi-Fi 8 radio
2. 802.15.4 Support, incl. Thread V1.4 and Zigbee Pro
3. 802.11az Wi-Fi Proximity Ranging
4. 802.11bf Wi-Fi Sensing
5. Bluetooth 6: High Band / High Data Rate

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

BCM6718 Key Features

1. 4x4 320 MHz Wi-Fi 8 radio
2. BroadStream Wireless Telemetry Engine for AI training/inference
3. BroadStream Intelligent Packet Scheduler maximizing QoE
4. Receiver sensitivity enhancements enabling faster uploads
5. Advanced eco modes resulting in 30% more energy efficiency
6. Generation 3 Digital Pre-Distortion reduces peak power by 25%

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

BCM43840 & BCM43820 Key Features

1. 4x4 320 MHz Wi-Fi 8 Radio (BCM43840)
2. 2x2 320 MHz Wi-Fi 8 Scanning Analytics Radio (BCM43820)
3. BroadStream Wireless Telemetry Engine for AI training/inference
4. Advanced location tracking capability
5. Advanced eco modes resulting in 30% more energy efficiency
6. Generation 3 Digital Pre-Distortion reduces peak power by 25%

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Wi-Fi 8 License

1. Wi-Fi 8 Access ecosystem enablement
2. Complementary market for Broadcom merchant silicon
3. Partners license production-ready, best-in-class chips
4. Partners manufacture and sell Broadcom part
5. Partners design derivative roadmaps

Field-of-use

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Extending Wi-Fi 8 Leadership Position with the Introduction of BCM6719 & BCM6714

Optimized dual-band Wi-Fi 8 single-chip solution streamlining system design

Integrated 2.4GHz power amplifiers (PAs) to reduce system cost and improved RF efficiency

Smaller PCB footprint enabling more compact industrial designs

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Wi-Fi

NEW!

BCM6719

NEW!

BCM6714

BCM6718

Radio Configuration	Optimized Dual-Band 4x4 2.4GHz + 4x4 5GHz	Optimized Dual-Band 3x3 2.4GHz + 4x4 5GHz	4x4 Tri-band Selectable 2.4GHz, 5GHz, 6GHz
Full Host CPU Bypass for Wi-Fi	Yes	Yes	Yes
Integrated 2.4GHz Internal PAs	Yes	Yes	No
Gen3 DPD FEM Support	Yes	Yes	Yes
Rx Sensitivity Enhancements	Yes	Yes	Yes

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

Elevating Whole-Home AI Experiences with a Unified Wi-Fi 8 Platform

Next-generation Accelerated Processing Unit (APU), BCM4918, unifies high-performance computing, networking, and AI acceleration

Broadcom Neural Engine (BNE) AI/ML inference and acceleration provide the foundation for an AI-ready platform

Industry-leading integration of multi-gig Ethernet PHYs minimizes PCB footprints and system costs

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

BCM4918 APU Key Features

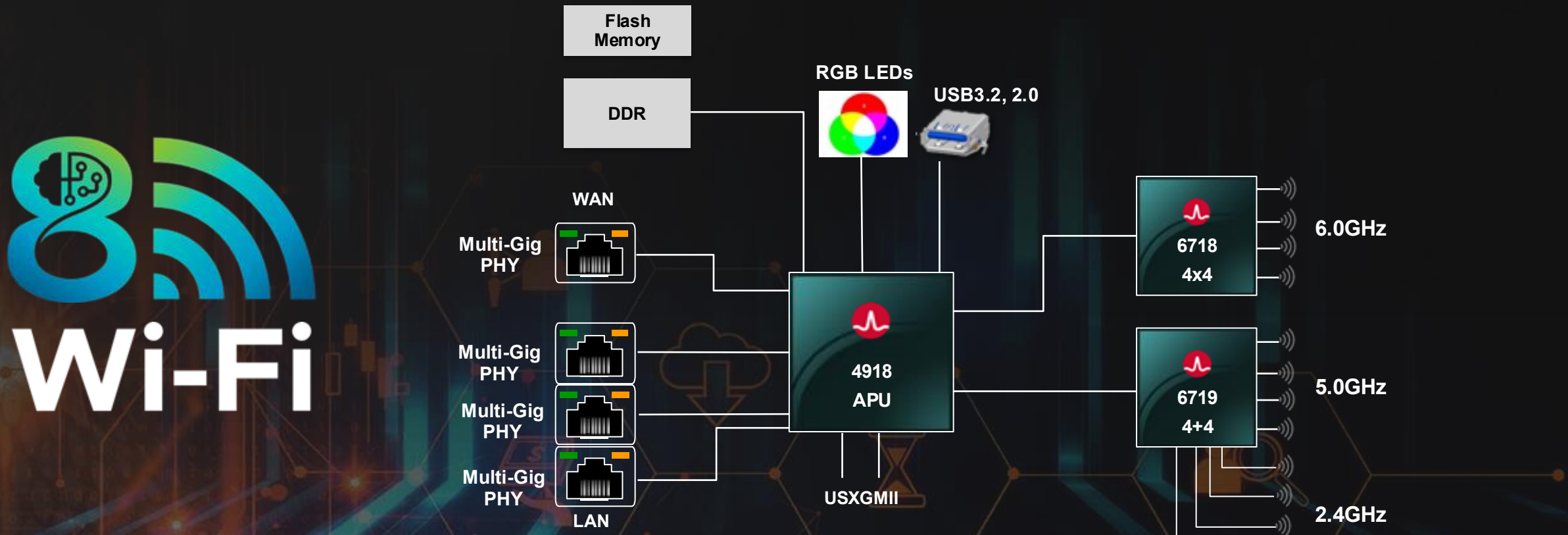
1. High-performance Quad Core v8 CPU complex
2. Integrated Broadcom Neural Engine (BNE) for on-device AI/ML inference and acceleration
3. Advanced networking engines to offload both wired and wireless data paths
4. Integrated cryptographic protocol acceleration end-to-end data protection without performance compromise
5. Integrated multi-gigabit Ethernet PHY interfaces

NEW!

OPEN // SCALABLE // POWER EFFICIENT

BROADCOM

The Ultimate Wi-Fi 8 Edge AI Platform



OPEN // SCALABLE // POWER EFFICIENT

BROADCOM


BROADCOM®
connecting everything®