Cisco 8000 Series Routers

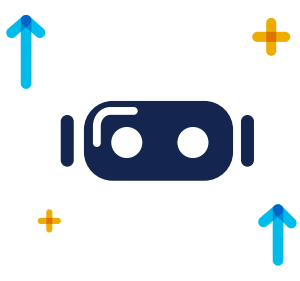
The bridge to possible

Is your network ready to handle massive traffic growth?

#1 More Internet users

By 2023,
66% of the global population will be connected to the Internet up from 51% in 2018

#2 More AR/VR traffic

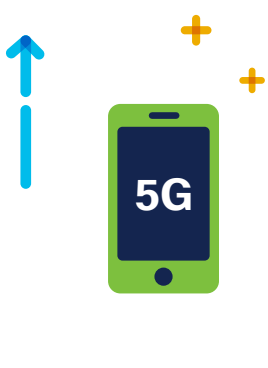


By 2022,
VR/AR traffic will increase 12-fold

#3 More Internet traffic

By 2022,
busy Internet traffic will be nearly 6X greater than average traffic

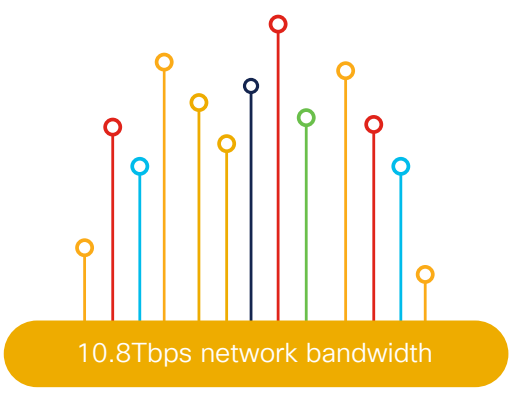
#4 5G adoption



5G speeds
will be 13 times higher than the average mobile connection by 2023

Discover the Cisco 8000 Series 100GbE and 400GbE connectivity at mass scale

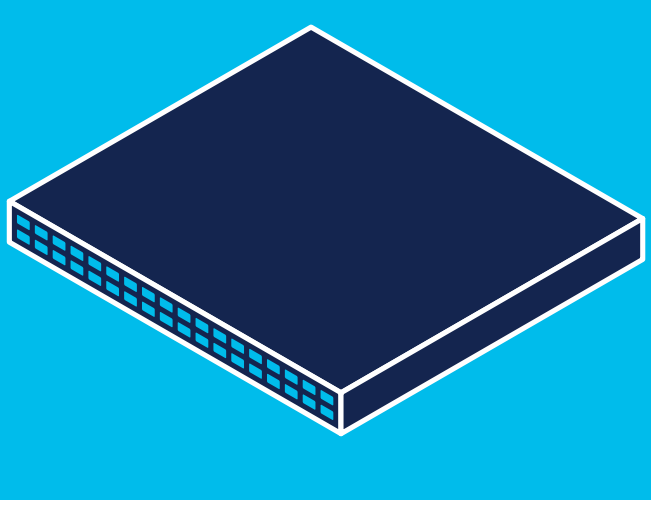
Fixed chassis



10.8Tbps network bandwidth

Power efficiency: 4Watts/100G

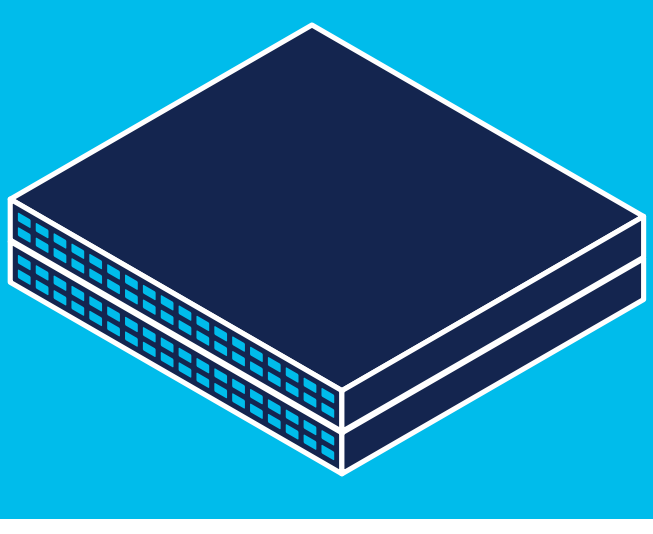
1 RU



Cisco 8201

24 QSFP56-DD 400 GbE
+
12 QSFP28 100 GbE

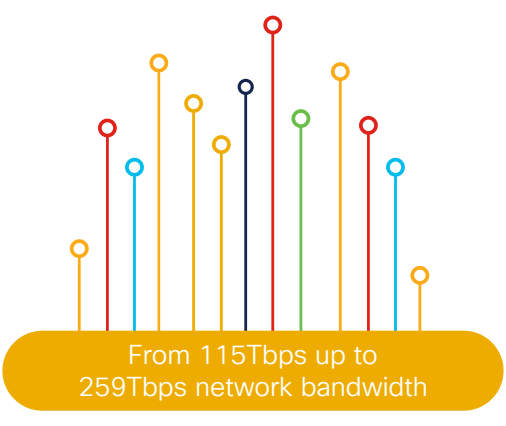
2 RU



Cisco 8202

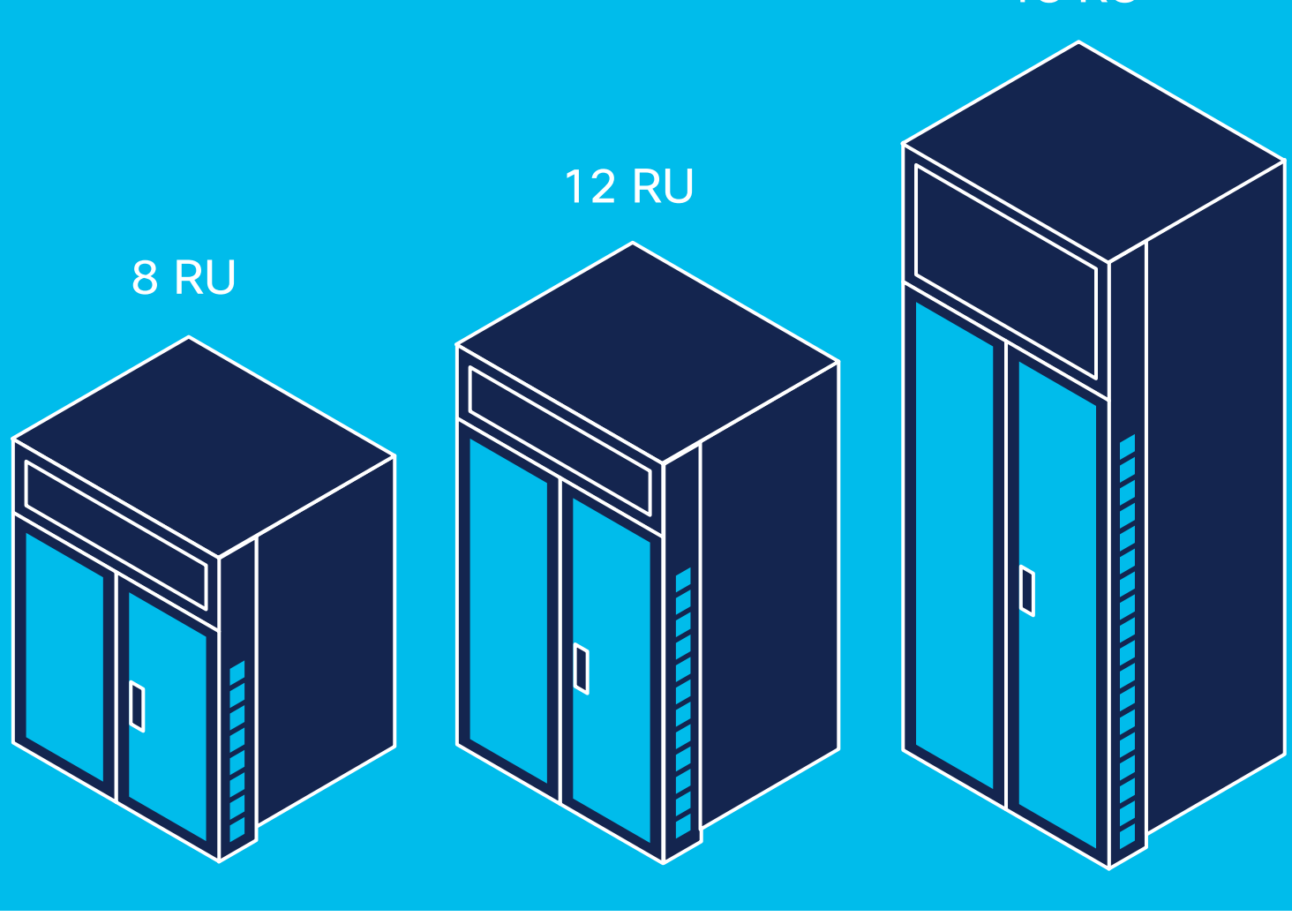
12 QSFP56-DD 400 GbE
+
60 QSFP28 100 GbE

Modular chassis



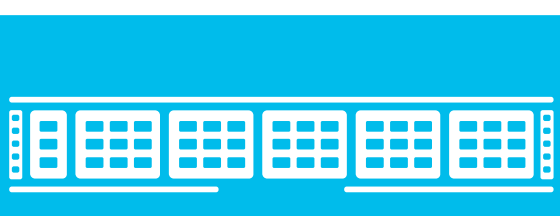
From 115Tbps up to 259Tbps network bandwidth

Power efficiency: 11 Watts/100G



Line cards

36-port QSFP56-DD 400 GbE line card

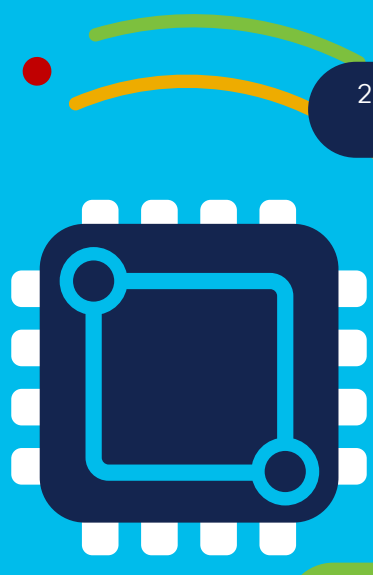


48-port QSFP28 100 GbE line card

Powered by Cisco Silicon One Q100

1st routing silicon to break the 10Tbps barrier

2x bandwidth and 3x packet-per-second over current routing silicon



2x more power efficient

Deep buffers

P4 programmable

Global route scale:
6 millions IPv4 routes/ 3 millions IPv6 routes

Primary Use Cases

Core routing | Cloud scale WAN aggregation | Peering

Adopted by major cloud and service providers

STC | Comcast | NTT Communications | Microsoft

The bridge to possible

https://www.cisco.com/go/cisco8000