

Ruijie

#RuijieTeknolojiGünü

AYTAN KIZILTAN

Vitel

Ruijie neden Çin'de Datacenter
ve Wifi6'da pazar lideri



vitel.com.tr

Wi-Fi 6 (802.11ax) Kısa bir Bakış

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802.11ax (Wi-Fi 6), Hızdan Ötesi

SONUÇ: YÜKSEK VERİMLİLİK

Neden 802.11ax 'a ihtiyaç oldu?

- **Bir kanalda aynı anda sadece bir veri transferi**
- **Limitli kanal sayısı ve verimsizlik**
- **Network trafiğindeki hızlı artış**
- **802.11 prokolündeki overhead ve verimsizlikler**
- **Airtime'ın satüre olması**

Sonuç:
Eski 802.11 Wi-Fi
standartlarındaki
verimsizlik

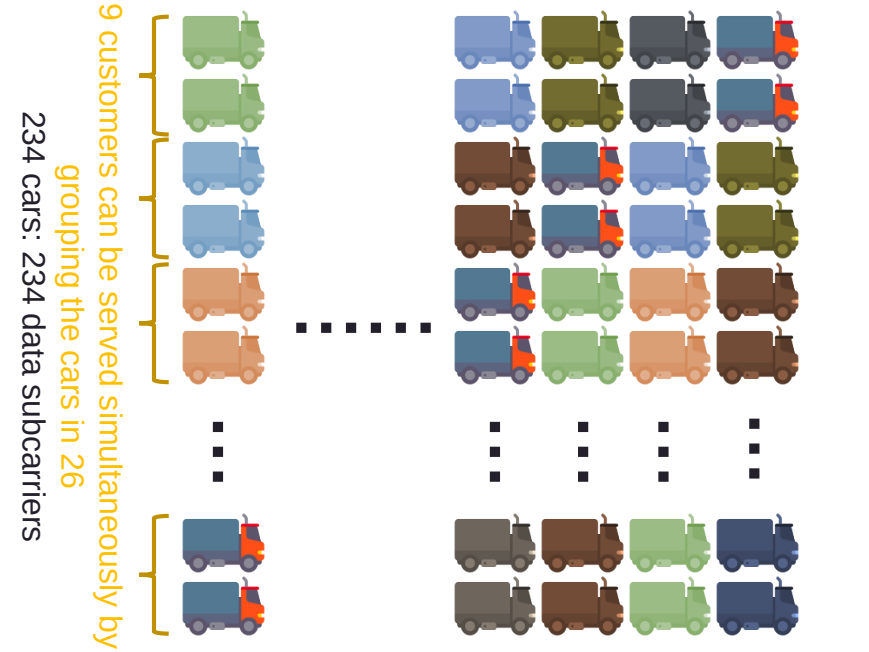
OFDMA

20MHz Channel



802.11ac

Tüm subscribers aynı anda sadece bir client'ın verisini taşıyabilir. Taşınan veri nin ne kadar olduğu önemli değildir.



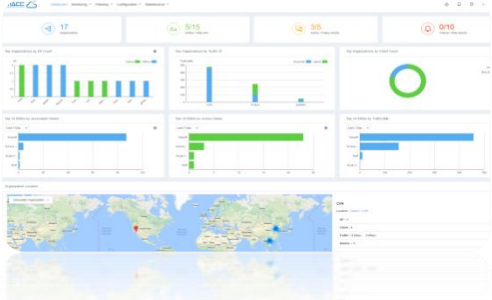
802.11ax

Şu anda 26 subscriber bir RU ile 9 müşteriye aynı anda hizmet veriyor.

Ruijie neden Çin'in Wi-Fi 6 pazarında Lider?

- Uçtan uca Komple 11ax Wireless Çözümleri
 - Birden Onbinlerce kullanıcıya Hizmet verebilme
 - On-Premise Merkezi Yönetim
 - On-Premise Merkezi Güvenlik ve Profiling
 - LBS
 - Her ortam için AP Seçenekleri
 - Cloud Managed Wi-Fi

Uçtan uca Wi-Fi 6 Wireless Çözümleri



- Unified Management (AP/SW/GW)
- RF Management & Security Control
- Operation & Monitoring
- Firmware Maintenance
- Planning & Optimization



RG-AP180

Smart IoT

Wall AP for Hotel



- Authentication & Billing Policy
- Guest WiFi
- Captive Portal
- Ads / Campaign Management
- Data Analytic & Report



RG-AP840-I

IoT AP for
Smart Wi-Fi Project

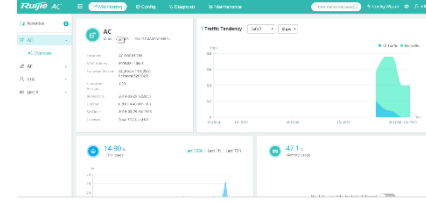


- Location-Based Service Analytics
- Heat Map & Dwell Time
- Cross Path & Cross Visit
- Track User Location
- Open API for integration with 3rd party application



RG-AP880-I

Remarkable
versatility

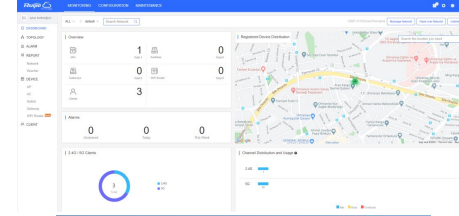


Wireless Controller



RG-AP820-L(v2)

Highest price-
performance ratio



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RG-AP680(CD)

Ideal for
Outdoor (IP68)

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Wi-Fi 6 **Killer** Product

Ofis Çözümlerinde en iyisi



RG-AP820-L(v2)

- Dual-radio Dual-band Seçenekleri (2.4G+ 5G or 5G + 5G)



Office /
Retail /
School



Max throughput **2.4Gbps**
Max **1024 Clients**



Built-in Bluetooth 5.0 and Zigbee



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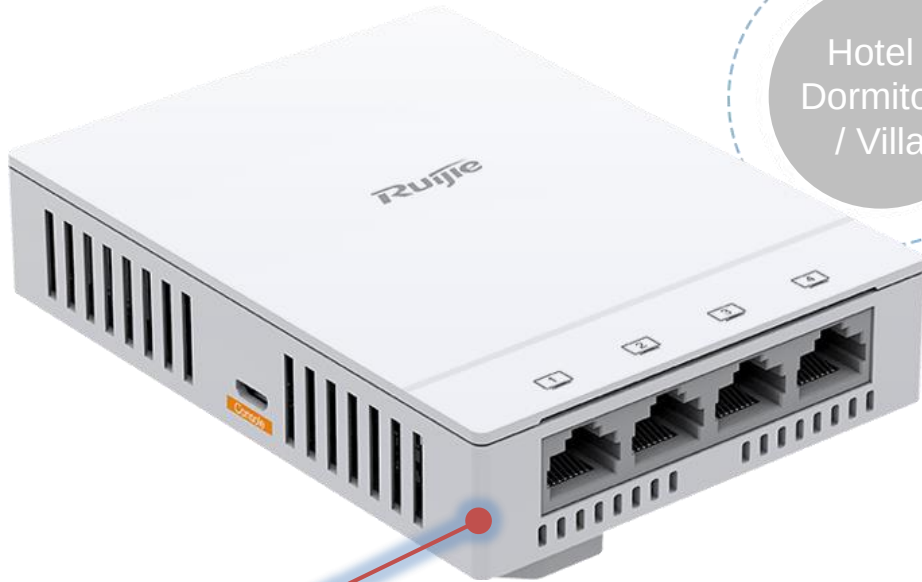
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The 1st Wi-Fi 6 Wall AP with IoT

Otel Çözümlerinde en iyisi

RG-AP180



Hotel /
Dormitory
/ Villa



Universal wall plate design**

Compact, exquisite, easy to deploy

**US/EU Standard Compatible with Mount Kit
(purchased separately)

Built-in Bluetooth 5.0 and Zigbee

Extend a variety of applications

4 10/100/1000M LAN (Front)

1 10/100/1000M Uplink (PoE) (Rear)

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IP68 Wi-Fi 6 Outdoor AP

Dış ortamlarda Ideal Çözüm

RG-AP680(CD)



Smart City
/ Campus /
Hotel

SFP Port

10/100/1000 Base-T
Mbps (PoE In) Port



Integrated Smart **Directional**
Antenna



Outstanding Environmental
Adaptability (IP68, -40-65°C, Surge
Protection upto 9kV)



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RG-AP880-I

Kullanıcı-Yoğun ortamlarda Ideal Çözüm



10G

Protocol	802.11a/b/g/n, 802.11ac wave1 and wave2, 802.11ax Support BT and IoT protocol
Antenna	Build-in smart antenna
Spatial Streams	Up to 12: 4×4:4 in 2.4GHz , 8×8:8 in 5GHz
Band	T20, HT40, HT80 and VHT160MH
Throughput	Maximum throughput per AP: 5.95Gbps
Ethernet Ports	1x 100M/1G/2.5G/5G/10G Base-T (PoE In), 1x 10G SFP+, 1x 10/100/1000M Base-T ports (PoE In), 1 10/100/1000M Base-T ports with Passive PoE (LAN/IoT Expansion)
Concurrent use	1024
Power supply	48VDC or PoE+
BlueTooth	BT4.0(BLE), iBeacon

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Ruijie neden Çin Wi-Fi 6 pazarında Lider?

- Zengin Wi-Fi Yönetim Seçenekleri
 - Cloud management Wi-Fi
 - Controller temelli Wi-Fi
 - Stand-Alone Wi-Fi

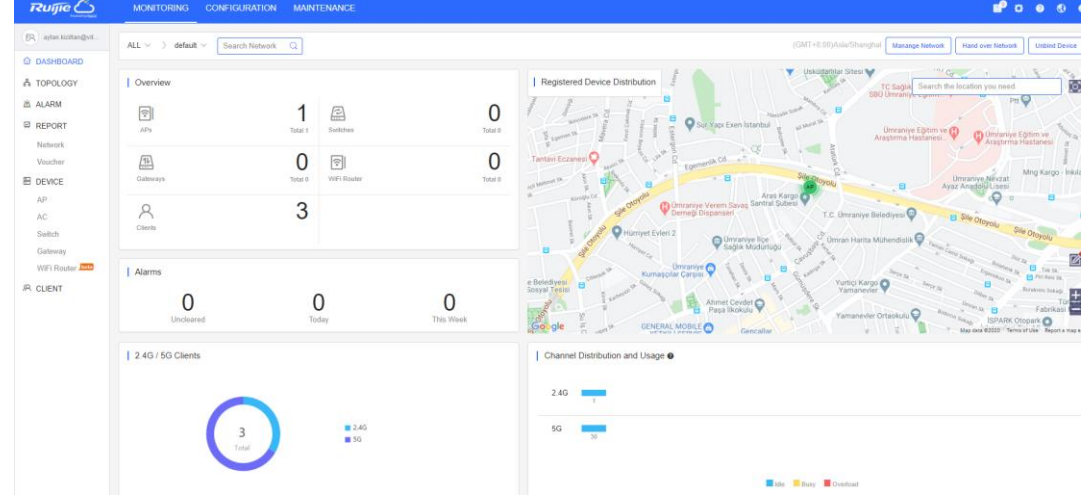
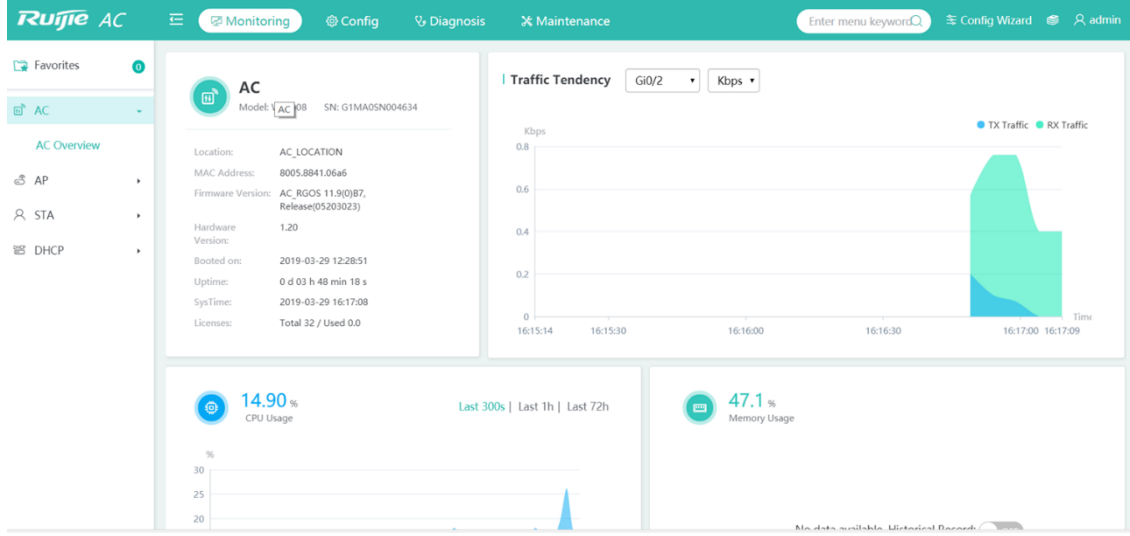
Zengin Wi-Fi Yönetim Seçenekleri



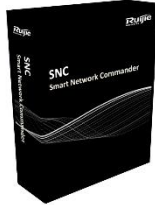
Wireless Controller



Ruijie Cloud



Ruijie SNC



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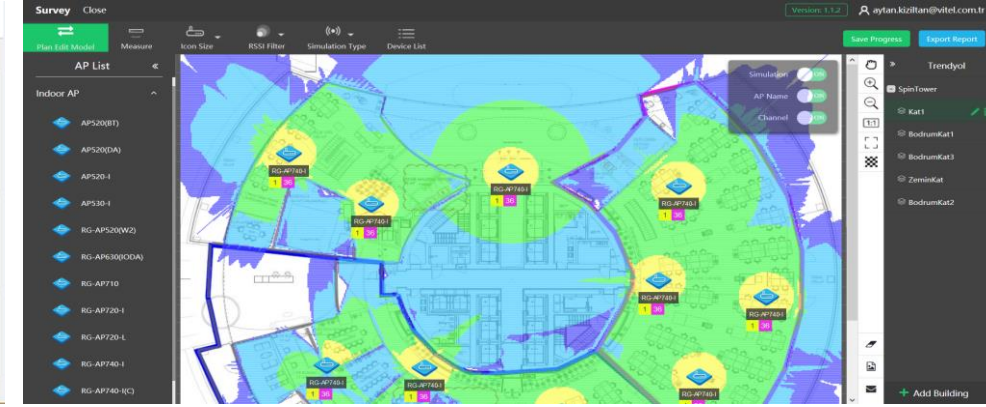
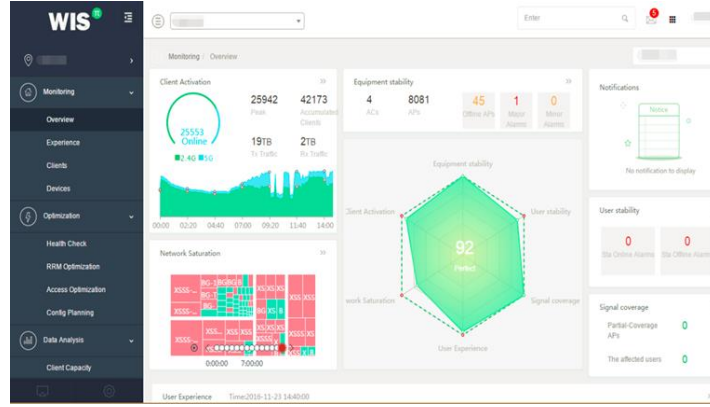


Ruijie neden Çin Wi-Fi 6 pazarında Lider?

- Wireless Offline Site Survey
- Wireless Optimizasyon
- Mobile Toolbox

Ruijie neden Çin Wi-Fi 6 pazarında Lider?

- Wireless Offline Site Survey
- Wireless Optimizasyon
- Mobile Toolbox



All Products

Community



WISπ

Login

One-click Network Optimization



MOHO

Download

Mobile Toolbox



Site Survey Planner

Login

Cloud Site Survey



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Ruijie neden Çin Wi-Fi 6 pazarında Lider?

- Tolly Group Onaylı Yüksek Performans ve Stabilit 

Wi-Fi 6 , Kırılmayan Rekorlar

Yüksek Performans ve Kapasite

RG-AP800 Series

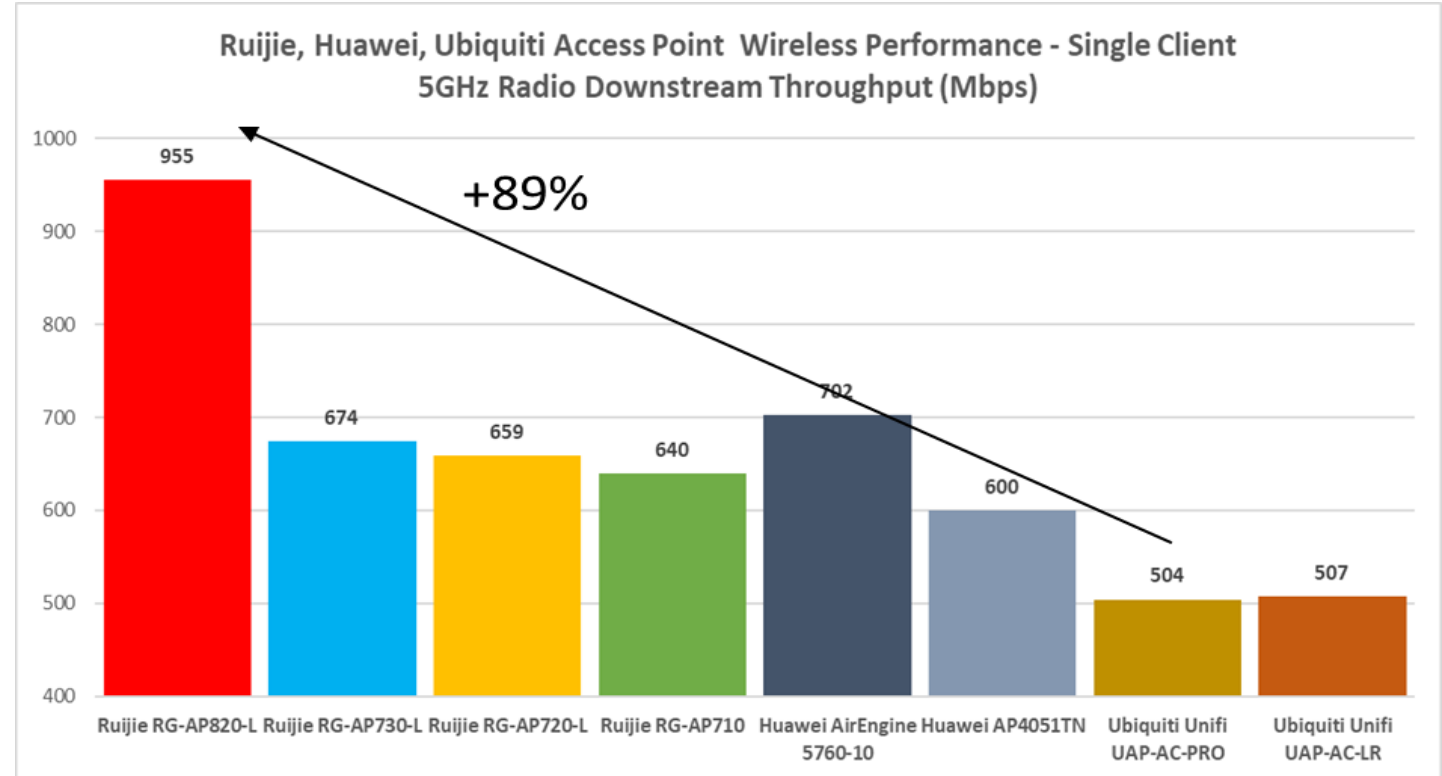
Guarantee User Capacity – 1024

RG-AP880-I

The Fastest Speed 4Gbps

RG-AP820-L(v2)

65% Better against Wi-Fi 5



Source:

Ruijie AP820-L and Huawei AirEngine 5760-10 tested by Tolly at #220111 Report (Feb 2020) ;

Ruijie AP730-L, AP720-L, AP710, Huawei AP4051TN, Ubiquiti UAP-AC-PRO and UAP-AC-LR tested by Tolly at #219101 Report (Feb 2019)

Report (Feb 2020)

Ruijie AP730-L, AP720-L, AP710, Huawei AP4051TN, Ubiquiti UAP-AC-PRO and UAP-AC-LR tested by Tolly at #219101 Report (Feb 2019)

Source:

Ruijie neden Çin Wi-Fi 6 pazarında Lider?

- Zengin Referans
- 7/24 Destek

Zengin Referans

China National Exhibition and Convention Center (Shanghai)



*10.000 user capacity

Dalian University of Foreign Languages



Shandong Lunan Pharmaceutical



*6.000 user at meeting

New Hotel Hanoi Moi



*180 room

Maejo University



*15.000 student

Universitas Islam Bandung



*11.000 student

Festa Junina, Brasil



*10.000 user capacity

Jilin University of Arts

Guangxi University

Northeast Normal University

Harbin Institute of Technology

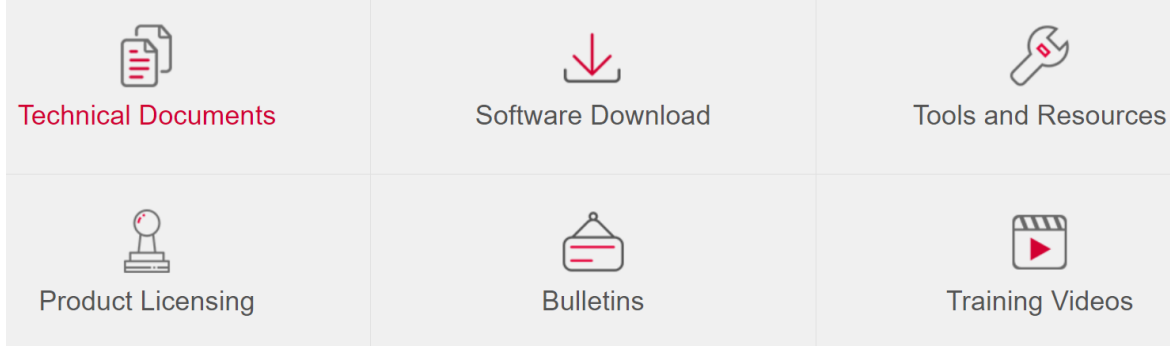
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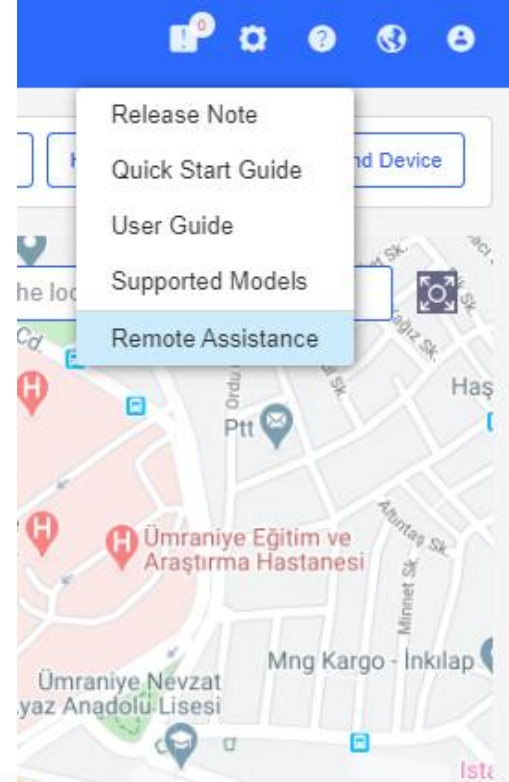
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7/24 Destek

<https://www.ruijienetworks.com/support>



Ruijie cloud 7/24 Remote Assistance



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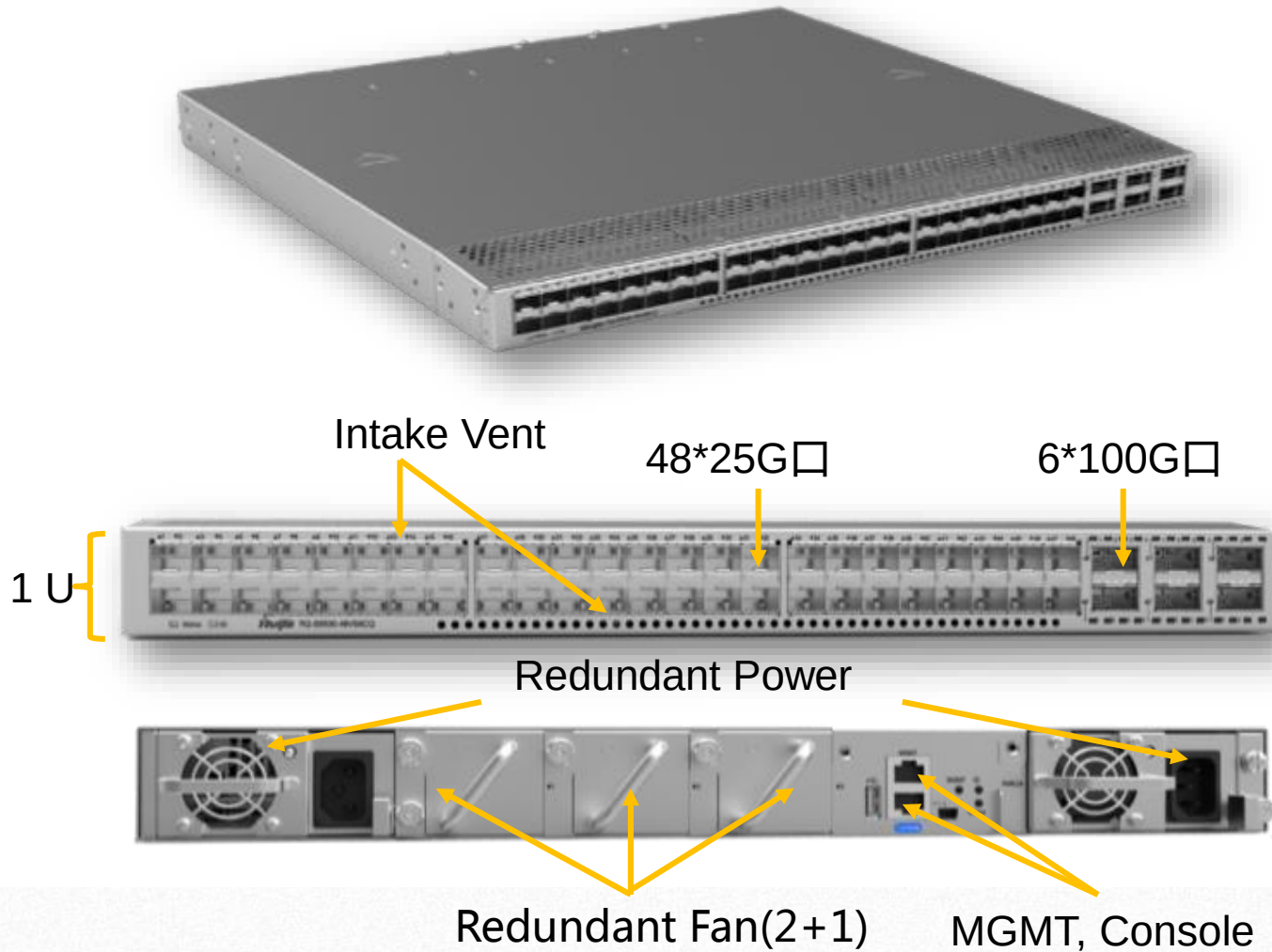
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Ruijie neden Çin DataCenter pazarında Lider?

- Yüksek Performanslı Ürünler
- Hiper Ölçekleme
- Low Latency (RDMA)
- Otomasyon
- Referanslar

S6510-48VS8CQ 25G TOR



Highlights:

- 48*25G+6*100G, 100G port can be changed to 4*25G
- 6.4T switch capacity, 2000Mpps packet forwarding rate
- 32MB buffer, 264K MAC, up to 128K routing table
- Support VXLAN, RDMA features
- Front-to-rear heat dissipation
- Support 240/380V DC or 220V AC power supply
- Energy saving design, <300W

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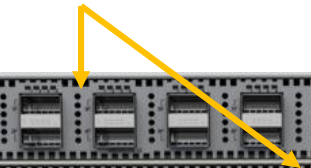
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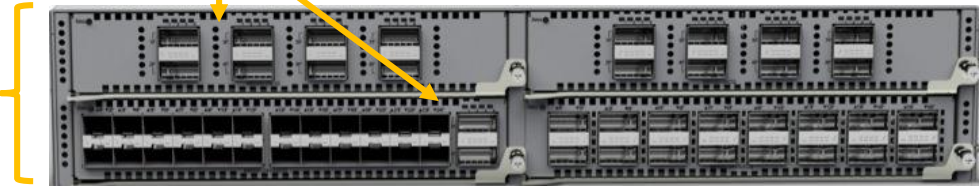
RG-S6510-4C 25G TOR



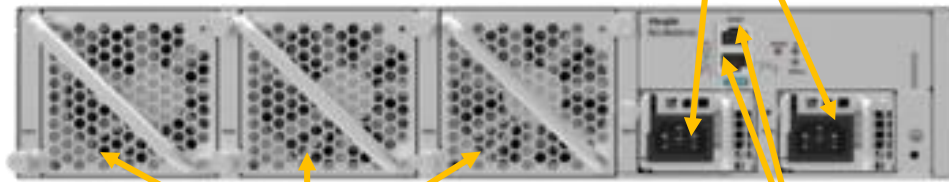
Intake Vent



2U



Redundant Power



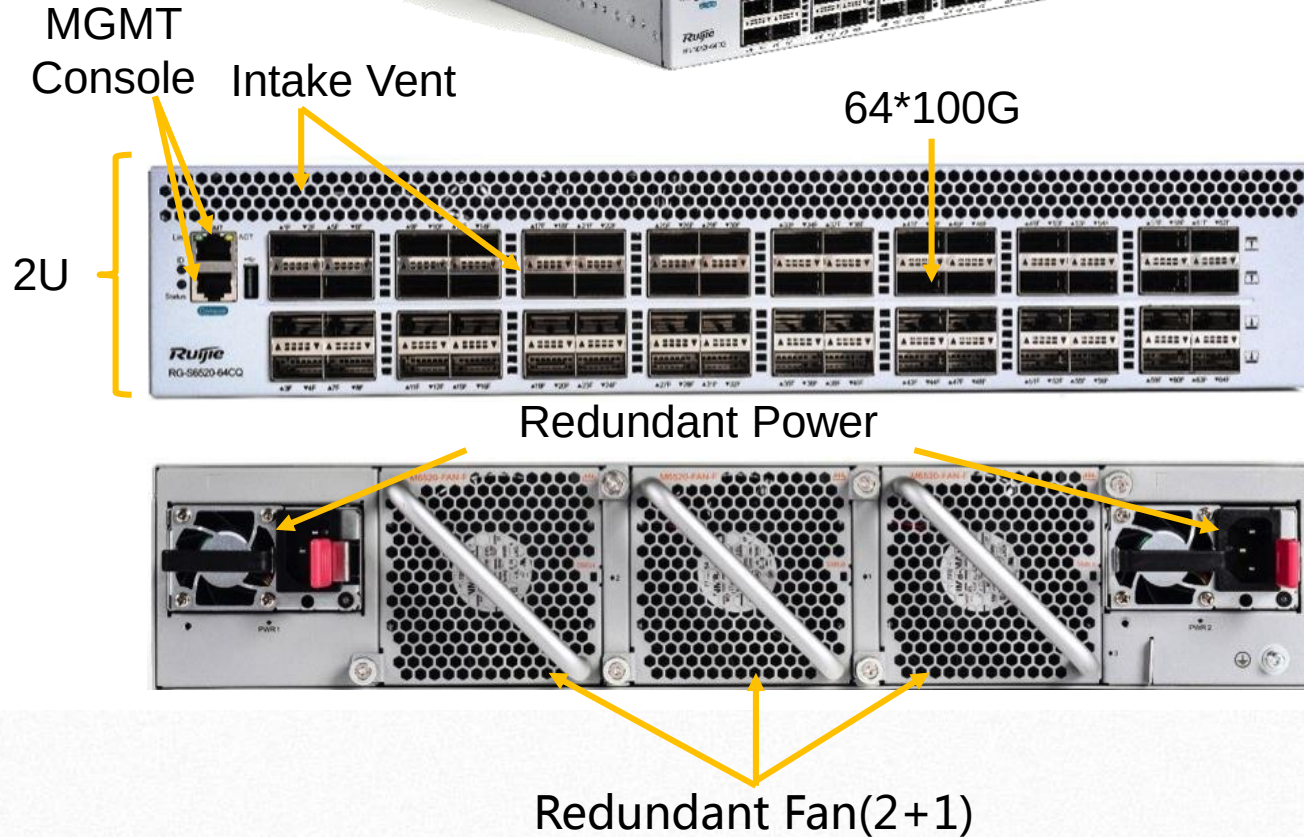
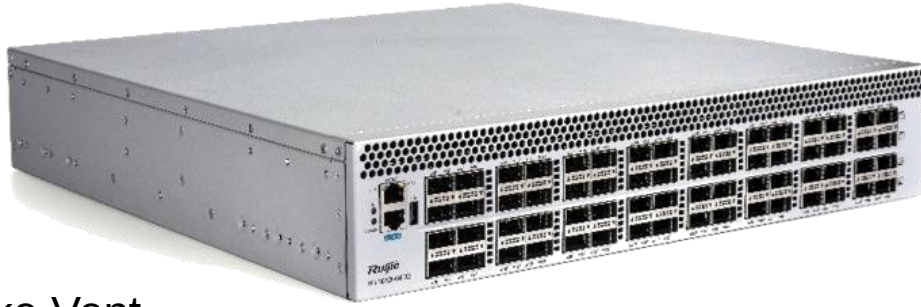
Redundant Fan(2+1)

MGMT , Console

Highlights:

- 3 module cards, flexible config, 24*25G+2*100G,16*40G,8*100G
- 6.4T switch capacity, 2000Mpps packet forwarding rate
- 32MB buffer, 264K MAC, up to 128K routing table
- Support VXLAN, RDMA features
- Front-to-rear heat dissipation
- Support 240/380V DC or 220V AC power supply

RG-S6520-64CQ 100G Distribution



Highlights:

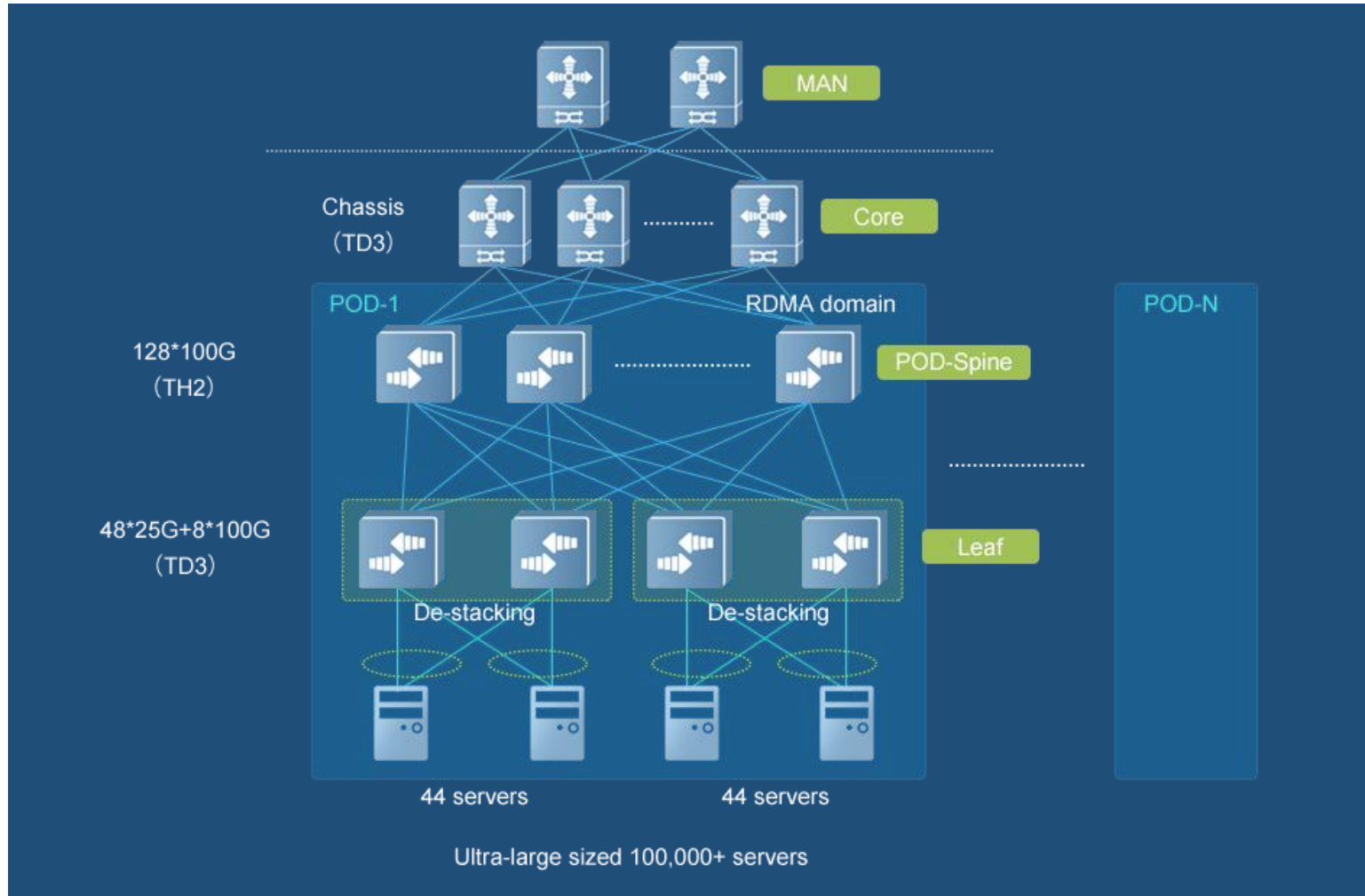
- 64*100G, high density 100G
- 12.8T switch capacity, 4400Mpps packet forwarding rate
- 42MB buffer, 264K MAC, up to 128K routing table
- Support VXLAN, RDMA features
- Front-to-rear heat dissipation
- Support 240/380V DC or 220V AC power supply
- Energy saving design, <500W

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Hyper Scale

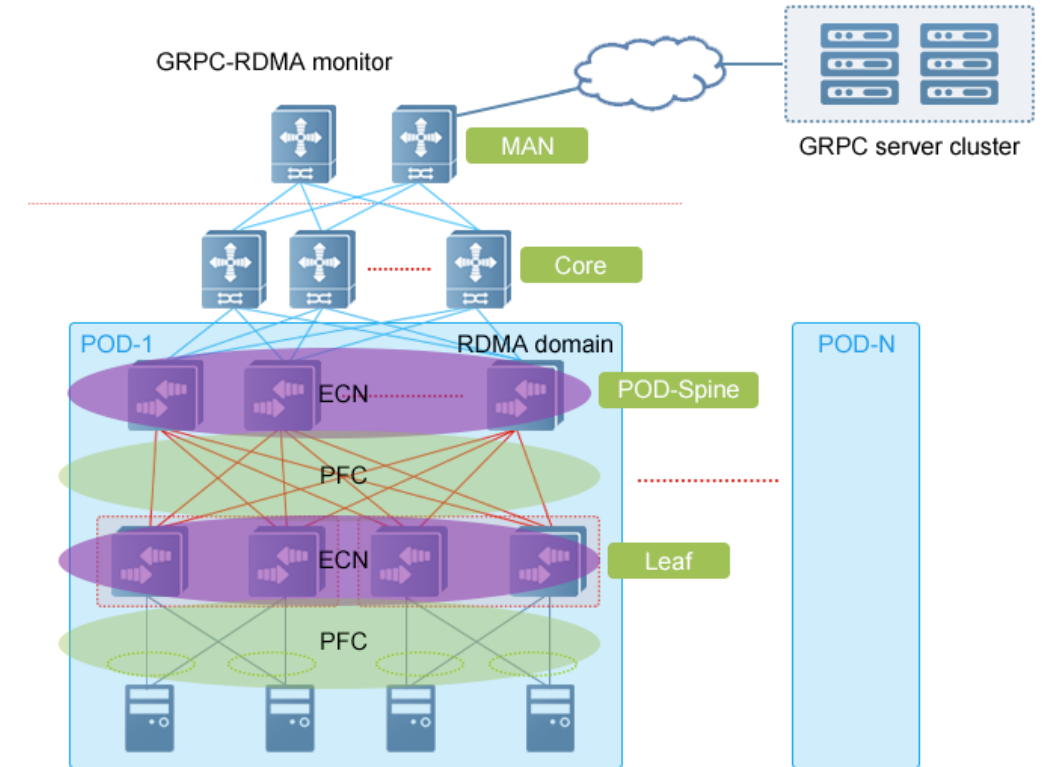
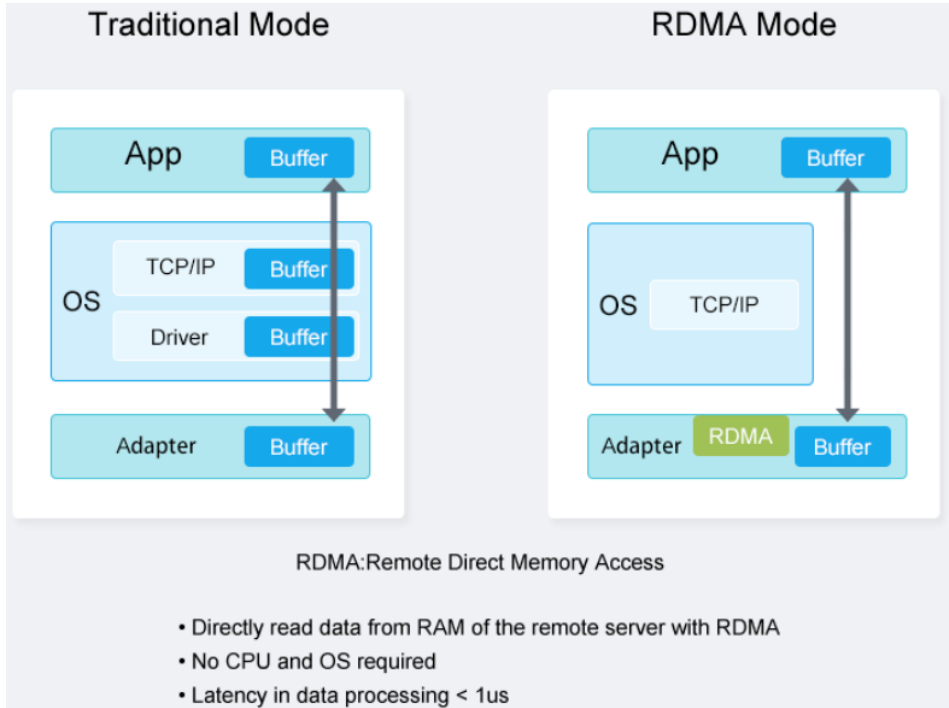


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Ultra-low Latency Based on RDMA Technology

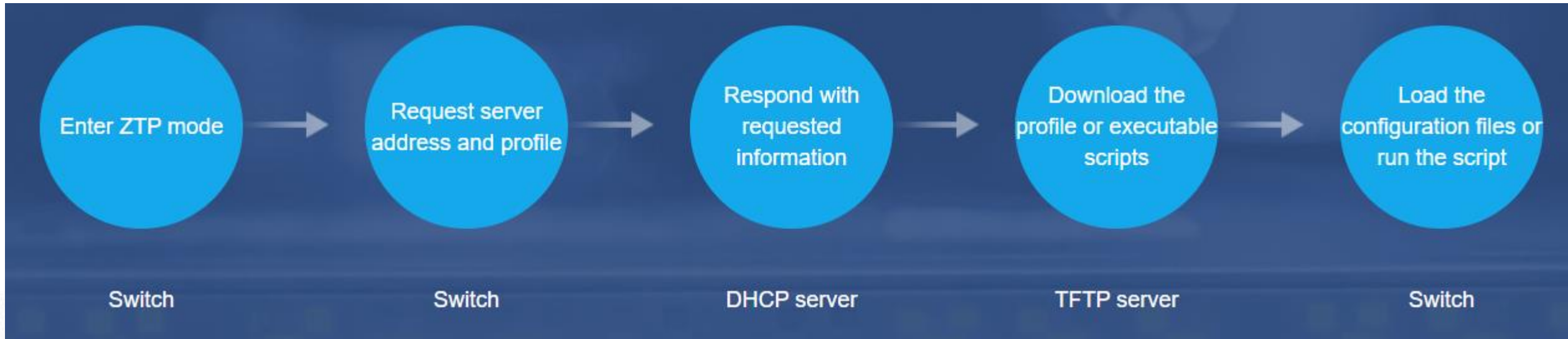


Deploy RDMA-related technologies based on server POD to provide end-to-end lossless forwarding for RDMA

Otomasyon

Automatic Equipment Deployment Based on Zero Touch Provisioning (ZTP)

- Automatically deploy switches (TOR), just like servers, to boost efficiency in IDC construction
- Automatically send the auto-generated configuration scripts (including OS software) to switches



Tencent

Tencent Main Services:

- Wechat(1 Billion active users)
 - QQ(420 Million active users)
 - Games
 -
-



Ruijie:

- Become Tencent's main networks vendor since 2016
- Both S62-H TOR and N18K-X core switch mass deployed
- Cooperate with Tencent at SDN field

Alibaba

Alibaba Main Services:

- AliCloud
 - Alipay
 - Taobao
 -
-



Ruijie:

- Ali's **TOP 3** networks vendor
- Around **30%** Ali's global data centre switches provided by **Ruijie**
- Both **10G, 25G, 40G, 100G** switches have been mass deployed to Alibaba
- Co-work with Alibaba to design data centre networks architecture

Baidu

Baidu Main Services:

- Search Engines(No.1 of China)
 - Baidu Cloud
 -
-



Ruijie:

- Provide data centre switches to Baidu since 2013
- Ruijie switches service 200K+ server of Baidu

Service 200+ Internet Companies

Ruijie:

- Internet data centre major vendor, service **200+** internet companies
- **TOP3** data centre solution vendor in Chinese market
- Solution popular used at BAT (Baidu, Alibaba, Tencent) both in domestic data centre and global data centre.

TEŞEKKÜRLER

