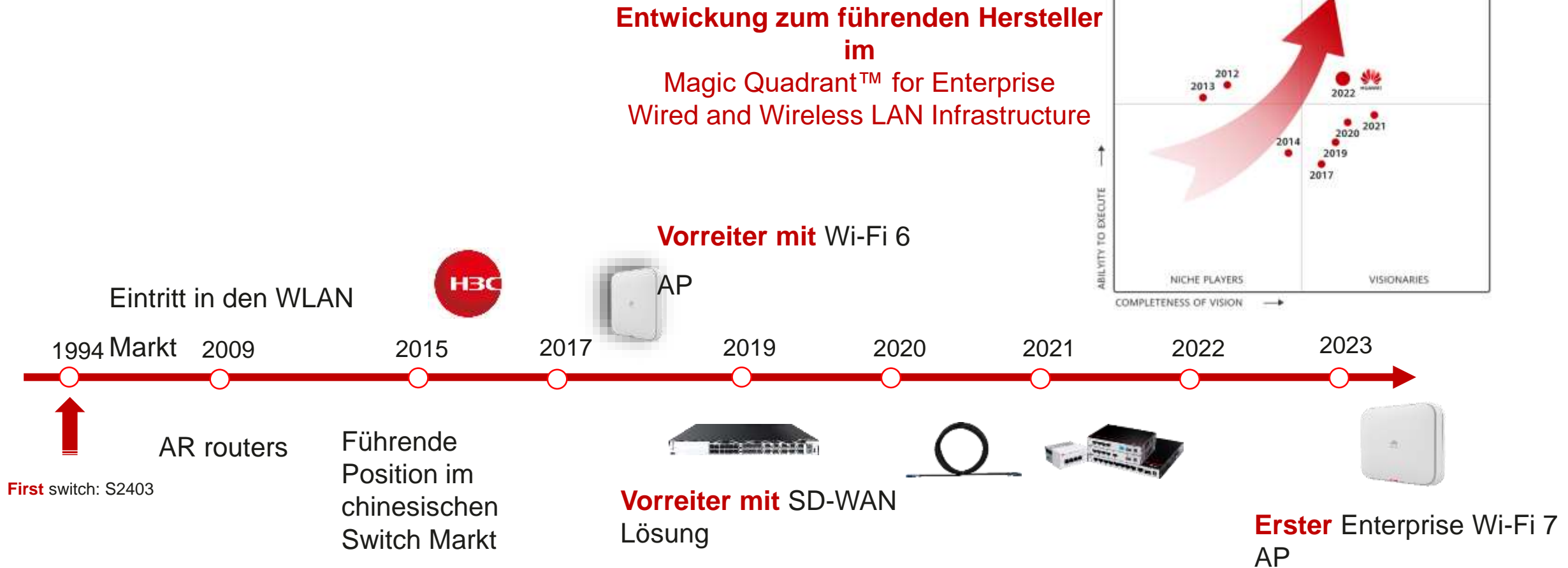


Netzwerk auf einem höheren Level mit WiFi-7

Huawei Campus Network

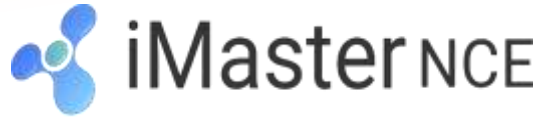


Huawei Netzwerk Meilensteine



Huawei Enterprise Network IP Product Portfolio

iMaster NCE



AirEngine

Campus WLAN Products

Indoor APs	Outdoor APs	Scenario-Tailored APs	Agile Distributed APs
AirEngine 8700 AirEngine 6700 AirEngine 5700 AP 7000	AirEngine 8700R AirEngine 6700R AirEngine 5700R	AirEngine 6760-S1E1 AirEngine 5762-16W Wi-Fi 6 CPE AirEngine 5761-11E1 (Intrinsically Safe-Type)	AirEngine 97000-M1 AirEngine 5700-WD AirEngine 5700-SW
Wireless Access Controllers (WACs) AC6805 AirEngine 5700-M1 AC6508			

CloudEngine

Data Center Switches

Modular Switches	Fixed Switches	SAN Switches
CloudEngine 16800 CloudEngine 16000X	CloudEngine 5800 Series CloudEngine 6800 Series CloudEngine 8800 Series CloudEngine 9800 Series	CloudEngine 6860-SAN CloudEngine 8850-SAN HAM Switches CloudEngine 6860-HAM CloudEngine 8850-HAM

Campus Switches

Modular Switches	Fixed Switches
CloudEngine 516700 Series CloudEngine 56700 Series	CloudEngine 56730-H Series CloudEngine 55736-S Series CloudEngine 55731-S Series CloudEngine 55731-L Series CloudEngine 55735-S-V2 Series CloudEngine 55735-L-V2 Series CloudEngine 55731-H Series CloudEngine 55735-S-V2 Series CloudEngine 55735-L-V2 Series
Industry-Tailored Switches CloudEngine 55735-S-IA Series Video Backhaul Switches CloudEngine 55720-SI Series Video Backhaul Switches CloudEngine 55735I-S-V2 Series Extended-Temperature Switches CloudEngine 55735I-S-V2 (ON) Series Extended-Temperature Switches	

NetEngine

Branch Routers

HQ/Large Branches	Midsize/Large Branches	Small/Midsize Branches	Industrial Gateways
NetEngine AR6700V NetEngine AR8700 NetEngine AR6140 Series	NetEngine AR6710 Series NetEngine AR6300 Series NetEngine AR6100 Series	NetEngine AR5710 Series NetEngine AR650 Series NetEngine AR610 Series	NetEngine AR6311-LTE4CN NetEngine 55710I-S12T2-LTECN NetEngine 51710I-S16DA-LTECN

Service Routers

Core Routers	Aggregation Routers	Access Routers
NetEngine 8000 X16 NetEngine 8000 X8	NetEngine 8000 F1 NetEngine 8000 M4 NetEngine 8000 M8 NetEngine 8000 M14	NetEngine 8000 M4 E NetEngine 8000 M4 NetEngine 8000 M8 NetEngine 8000 M1C NetEngine 8000 M6 NetEngine 8000 F1A

HiSecEngine

Enterprise Security Products

Firewalls	AntiDDoS	HiSec Insight
HiSecEngine USG12004 HiSecEngine USG12008 HiSecEngine USG6500F Series HiSecEngine USG6600F Series	HiSecEngine AntiDDoS12004 HiSecEngine AntiDDoS12008 HiSecEngine AntiDDoS1905	SecoManager Sandbox

Immer ein Schritt voraus



14
Forschungszentren weltweit

3000+
F&E Mitarbeiter

22.4%
vom jährl. Umsatz wieder in F&E investiert

100+
Wissenschaftler und führende Experten

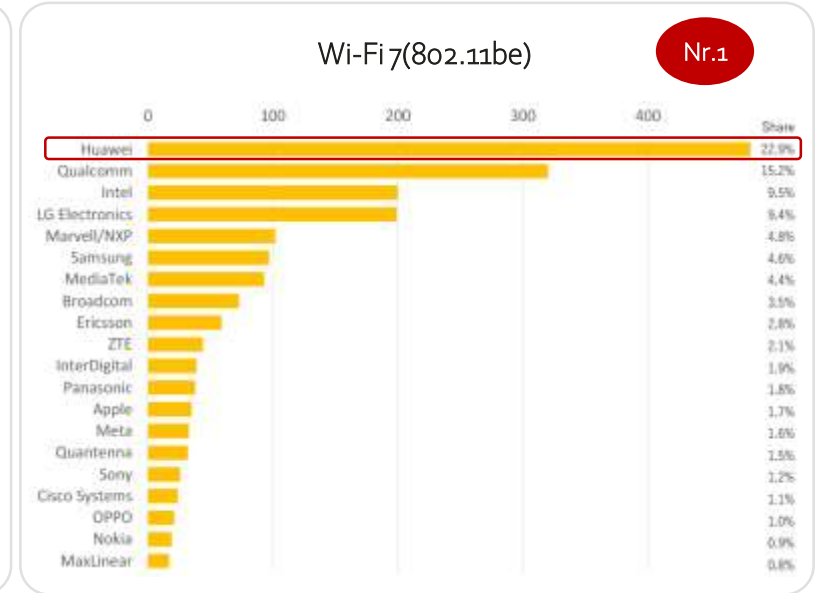
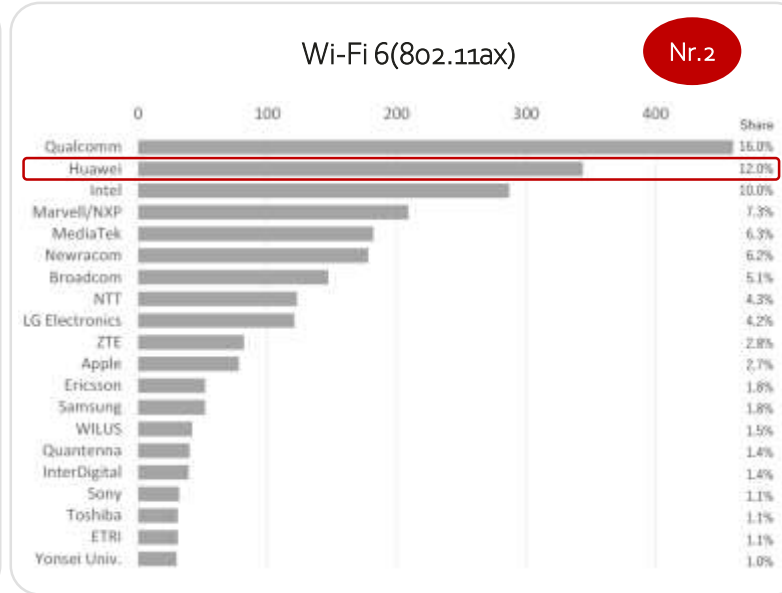
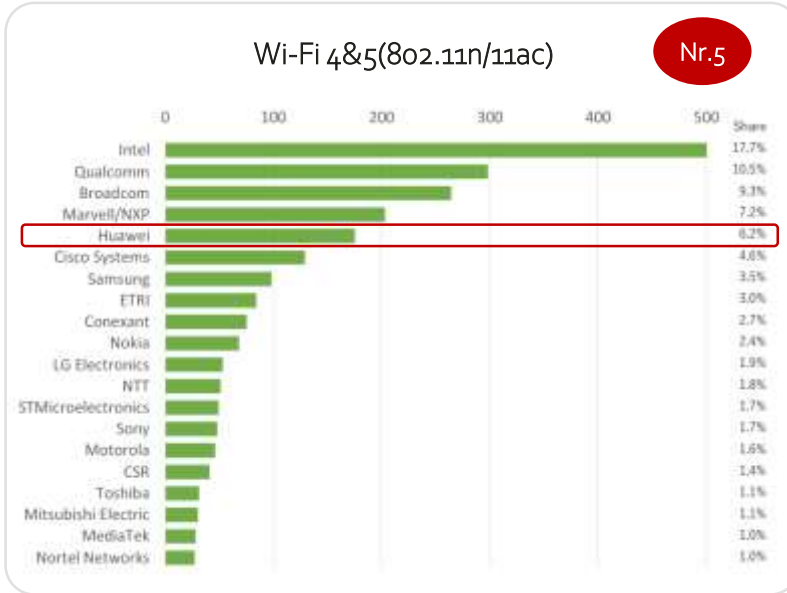


Führende Beiträge in Gremien wie Wi-Fi 6, IPv6 Enhanced, and 400G

Aktive Beteiligung in der Wi-Fi Standardisierung

Anzahl der Beiträge im Wi-Fi-Standard, Entwicklung von der Nr. 5 zur Spitzenposition

Source : NGB Corporation



IEEE 802.11ax(Wi-Fi 6)

Chair

Osama Aboul-Magd



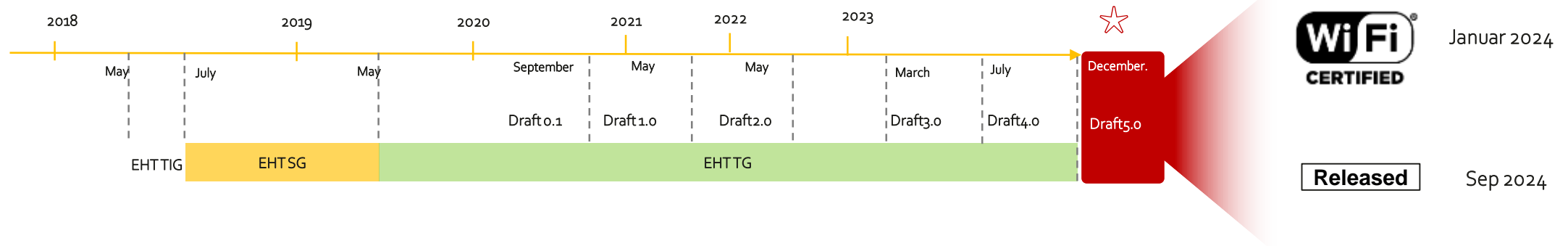
IEEE 802.11be(Wi-Fi 7)

Technical Editor

Edward Au

Wi-Fi 7 Standards machen stetig Fortschritte

Wi-Fi 7 Standard Versionen



Wachsendes Eco-System



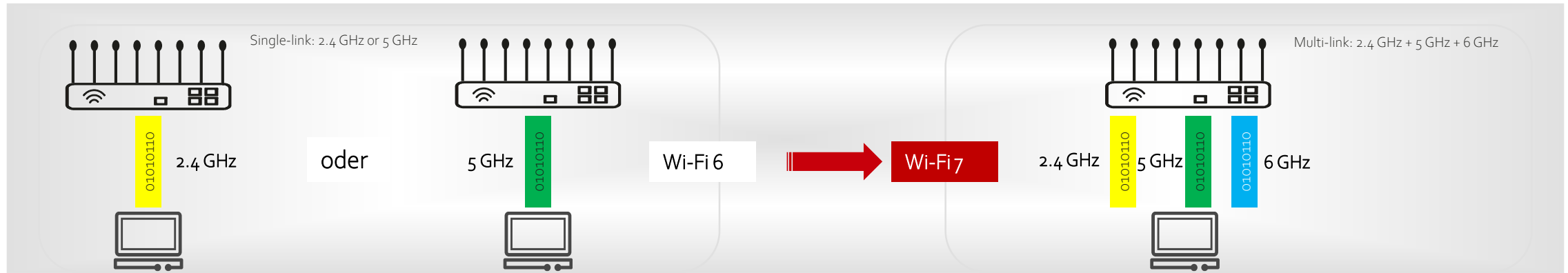
- Aktuell: 20+ Chips-Typen unterstützen schon Wi-Fi 7
- WFA forecast: 233 Mio Wi-Fi7 Endgeräte E2024

- 50+ phone/laptop Modelle unterstützen schon Wi-Fi 7.
- Darunter auch Apple und Samsung Produkte

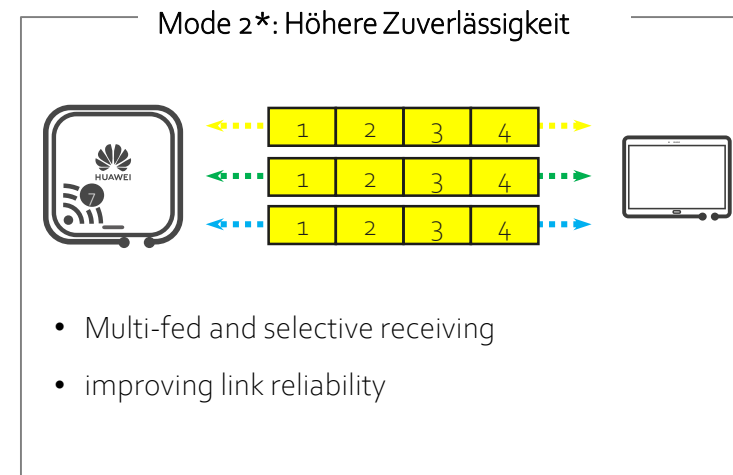
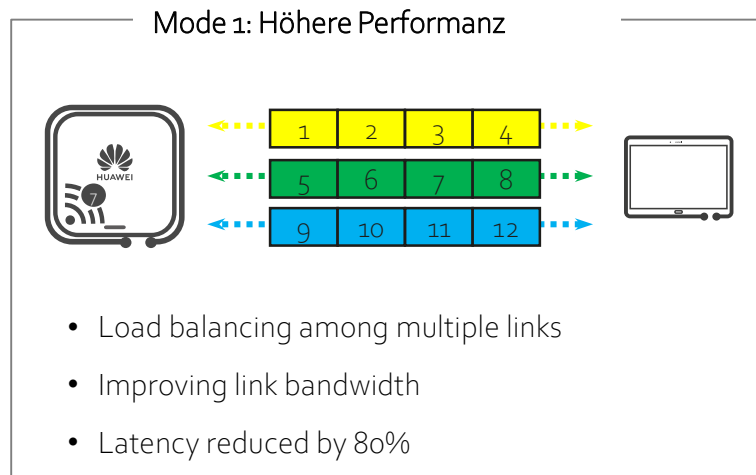
Innovationen in Wi-Fi 7

	Maximum rate/radio	Frequency band	Frequency bandwidth	MCS	Multi-RU	Multi-link
Wi-Fi 6	9.6 Gbps (5 GHz radio)	2.4 GHz 5 GHz	160 MHz	1024-QAM	S-RU per user	Single-link
Wi-Fi 6E	9.6 Gbps (5/6 GHz radio)	2.4 GHz 5 GHz 6 GHz	160 MHz	1024-QAM	S-RU per user	Single-link
Wi-Fi 7	23 Gbps (6 GHz radio)	2.4 GHz 5 GHz 6 GHz	320 MHz 2x	4096-QAM 20%+	Multi-RU per user	Multi-link

Multi-Link Operation (MLO) – Schneller und Zuverlässiger



Vorteile in verschiedenen Bereichen / Modi



* Unterstützt in der R24C10 version

Huawei's First Enterprise-Class **Wi-Fi 7 AP**

— AirEngine 8771-X1T —

Ultra-strong performance

- Device rate: **18.67 Gbps**
- 10GE hybrid optical-electrical port
300 m long-distance PoE++

Ultra-superior experience

- On-demand **6 GHz/5 GHz** switching
- Built-in dynamic-zoom smart antennas



Wi-Fi 7 Certified Portfolio



Wi-Fi 7 (802.11be) indoor settled APs



AirEngine 8771-X1T

- Device rate: 18.67 Gbps
- NSS: 4+4+4
- Built-in dynamic-zoom smart antennas
- BLE 5.2, external IoT expansion via USB
- 2 x 10GE electrical + 1 x 10GE optical



AirEngine 6776-57T

- Device rate: 13.66 Gbps
- NSS: 2+2+4
- Built-in smart antennas
- BLE 5.2, external IoT expansion via USB
- 1 x 5GE electrical + 1 x GE electrical



AirEngine 6776-56TP

- Device rate: 9.33 Gbps
- NSS: 2+2+4
- Built-in smart antennas
- BLE 5.2, external IoT expansion via USB, PoE OUT
- 1 x 5GE electrical + 1 x GE electrical



AirEngine 6776-58TI

- Device rate: 7.89 Gbps
- NSS: 2+4+2/4+4
- Built-in smart antennas
- BLE 5.4, built-in PCIe dual IoT card slots, external IoT expansion via USB
- 1 x 5GE electrical + 1 x GE electrical

NEW
Sep 2024



AirEngine 5776-26

- Device rate: 6.45 Gbps
- NSS: 2+4
- Built-in smart antennas
- BLE 5.4, external IoT expansion via USB, NearLink SLE1.0
- 1 x 2.5GE electrical + 1 x GE electrical



AirEngine 5773-23H

- Device rate: 3.57 Gbps
- NSS: 2+2
- Built-in smart antennas
- BLE 5.2, external IoT expansion via USB
- 1 x 2.5GE optical + 1 x GE electrical



AirEngine 5773-22P

- Device rate: 3.57 Gbps
- NSS: 2+2
- Built-in smart antennas
- BLE 5.2, external IoT expansion via USB
- 1 x 2.5GE electrical + 1 x GE electrical



AirEngine 5773-21

- Device rate: 3.57 Gbps
- NSS: 2+2
- Built-in smart antennas
- BLE 5.4, external IoT expansion via USB, NearLink SLE1.0
- 1 x 2.5GE electrical

Wi-Fi 7 (802.11be) wall plate APs



AirEngine 5773-23HW

- Device rate: 3.57 Gbps
- NSS: 2+2
- Built-in smart antennas
- BLE 5.2, external IoT expansion via USB
- 1 x 2.5GE optical + 4 x GE electrical



AirEngine 5773-23WP

- Device rate: 3.57 Gbps
- NSS: 2+2
- Built-in smart antennas
- BLE 5.2, external IoT expansion via USB, PoE OUT
- 1 x 2.5GE electrical + 5 x GE electrical

NEW
Sep 2024



AirEngine 5773-25HW

- Device rate: 3.57 Gbps
- NSS: 2+2
- Built-in smart antennas
- BLE 5.2, external IoT expansion via USB
- 1 x 2.5GE optical + 1 x 2.5GE electrical + 8 x GE electrical

NEW
Sep 2024

Wi-Fi 7 (802.11be) outdoor APs



AirEngine 6776I-X7TH

- Device rate: 13.66 Gbps
- NSS: 2+2+4
- Built-in omnidirectional antennas
- BLE 5.2, external IoT expansion via USB
- 1 x 10GE optical + 1 x 10GE electrical + 1 x GE electrical

NEW
Sep 2024



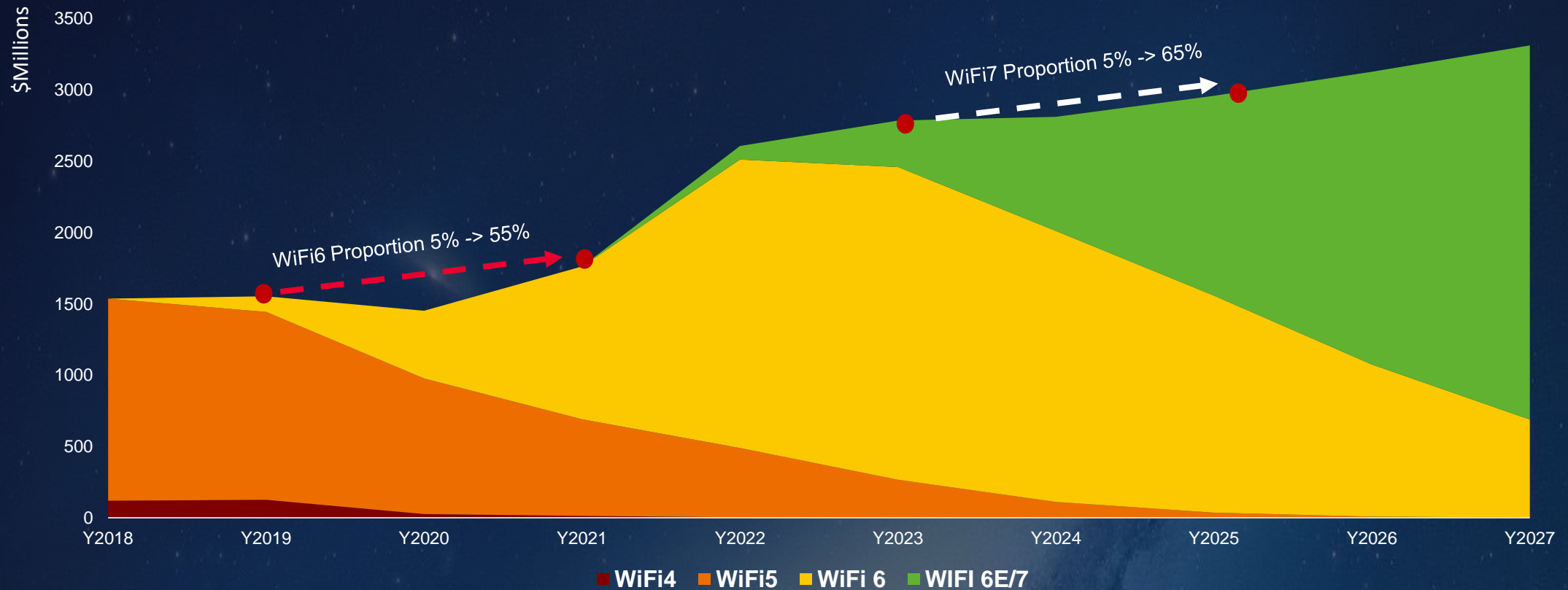
AirEngine 6776I-X6TH

- Device rate: 13.66 Gbps
- NSS: 2+2+4
- Built-in directional antennas
- BLE 5.2, external IoT expansion via USB
- 1 x 10GE optical + 1 x 10GE electrical + 1 x GE electrical

NEW
Sep 2024

In den nächsten 3 Jahren bilden laut IDC die WiFi-7 Produkte die Mehrheit

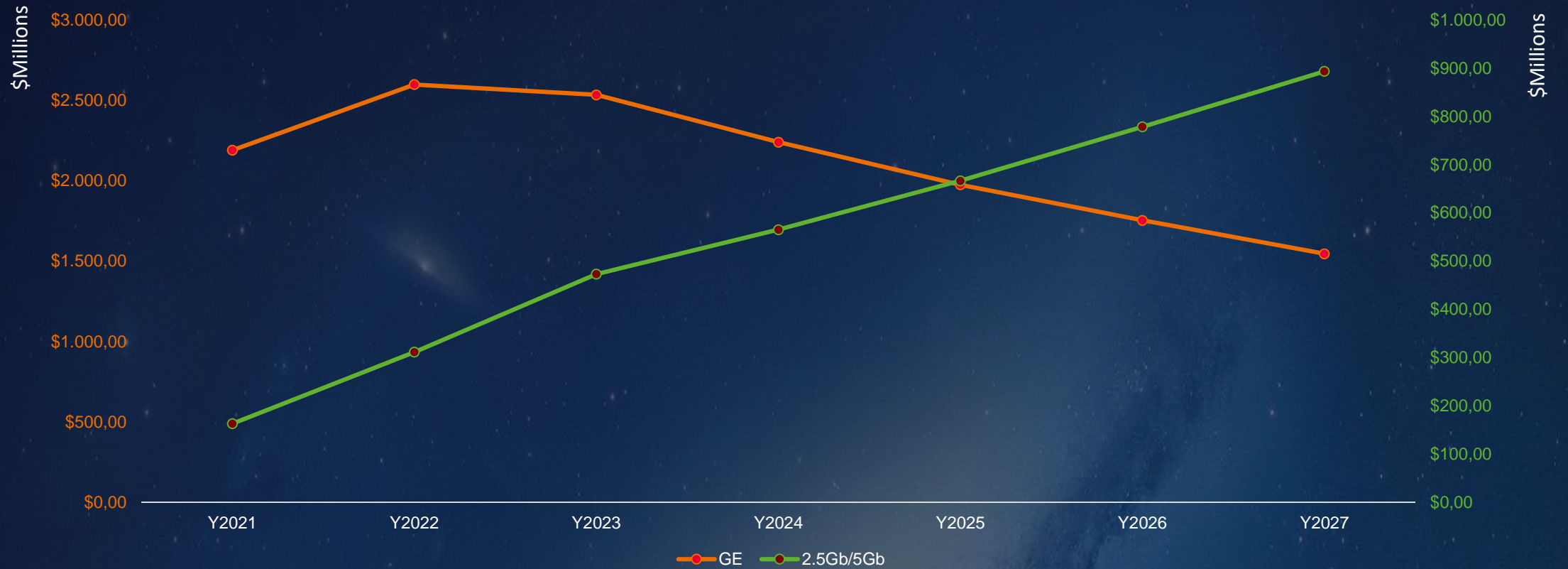
WiFi 7 nimmt den Platz von WiFi6 ein



Source : IDC

Im Access: Multi-GE Ports wachsen dementsprechend stark

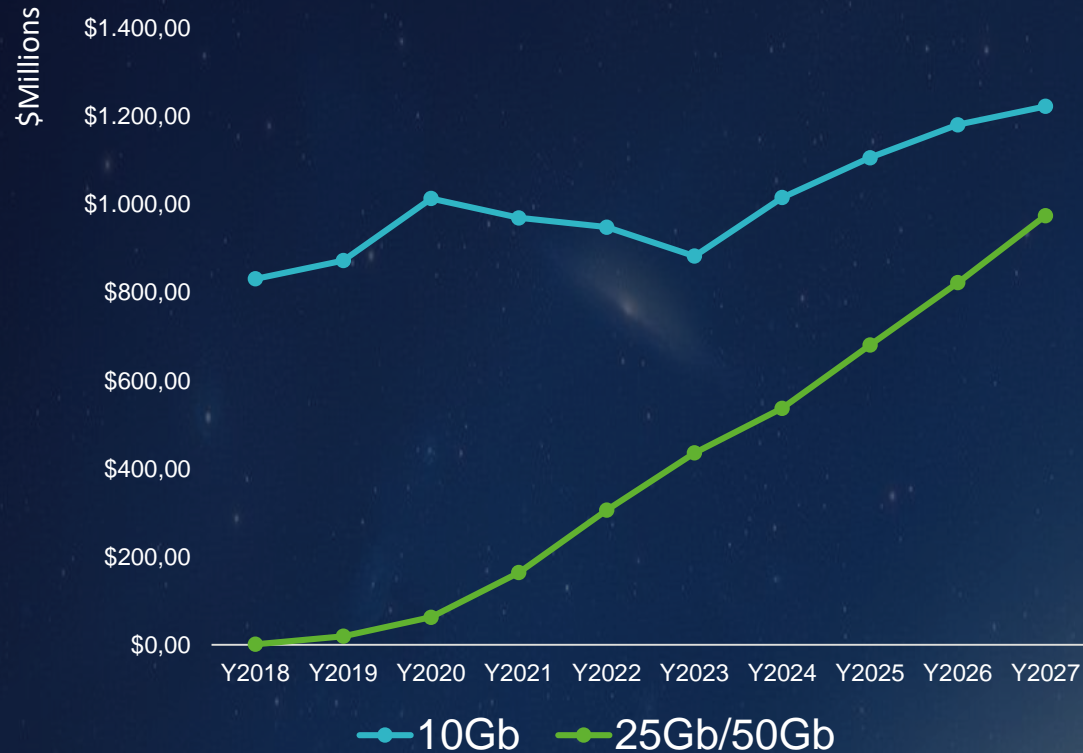
Multi-GE Umsatzanteil wächst kontinuierlich



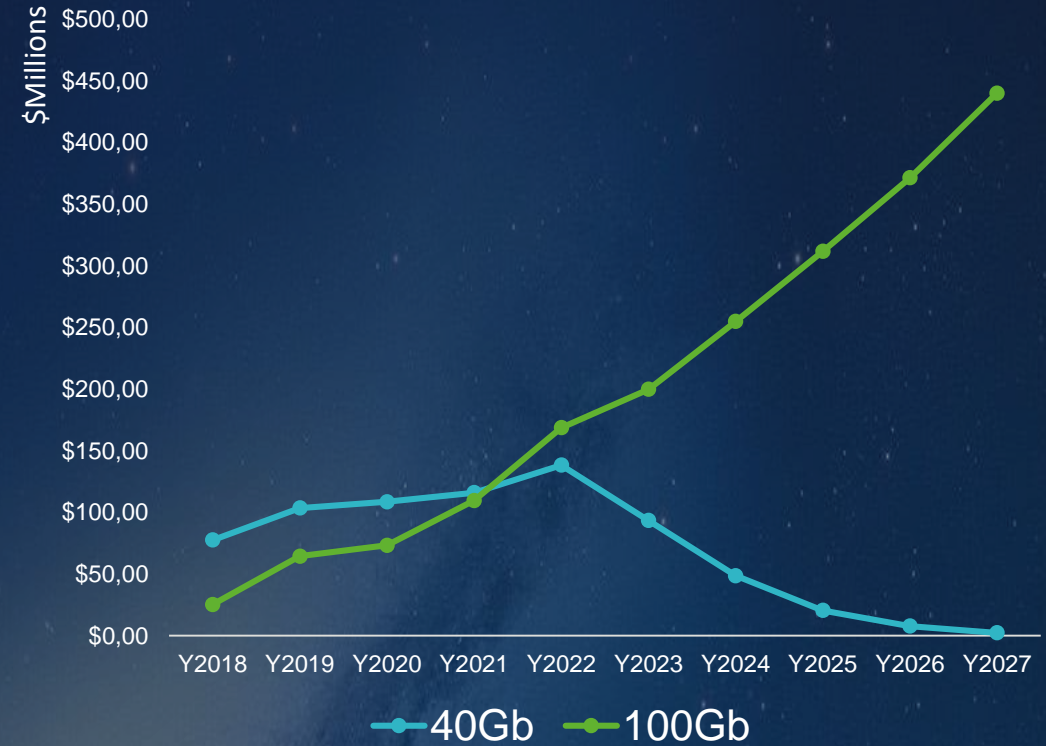
Source : IDC

Im Aggregation / Core: Verlagerung zu 25GE / 100GE Uplink

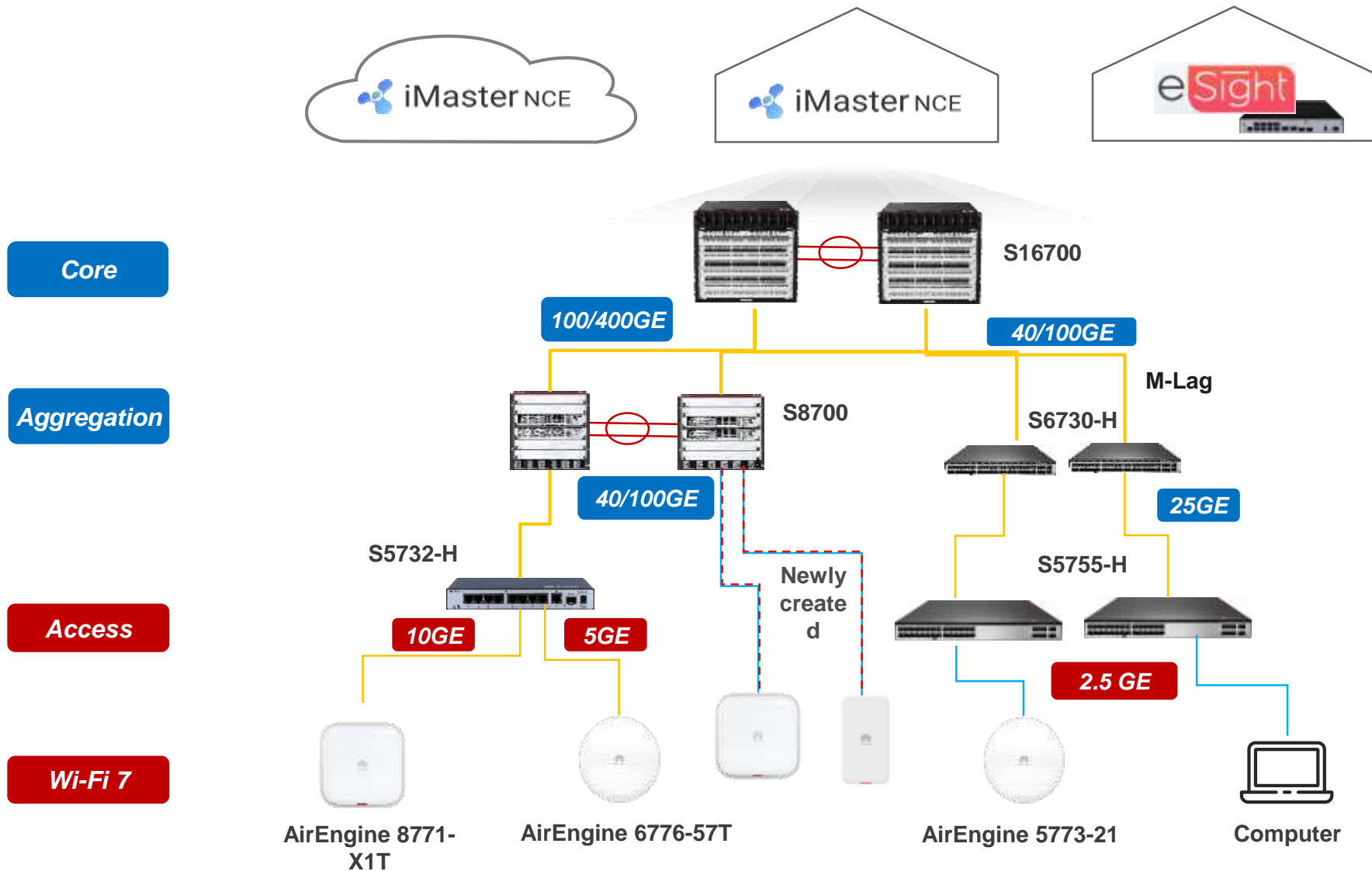
10G/25G Share In Revenue



40G/100G Share In Revenue



Huawei High-Quality 10 Gig Campus Solution



Warum Huawei?

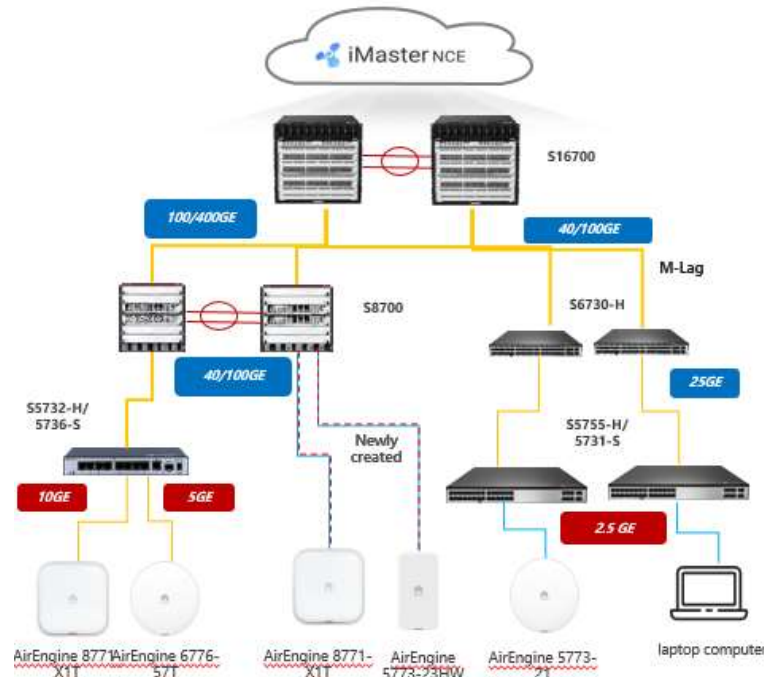
Führender Hersteller
for Enterprise Wired and
Wireless LAN Infrastructure



Gartner Magic Quadrant:

<https://e.huawei.com/en/topic/enterprise-network/wifi7>

High-Quality
Multi-Gig Campus



Zuverlässige,
partnerschaftliche
Zusammenarbeit mit
Gelsen-Net





Experience the Magic of Christmas with **Wi-Fi 7**

Ultimate Wi-Fi 7 Experience

Huawei AirEngine Wi-Fi 7



Network Incentive Program 2024

Special discounts | Simplified Process | Improved Margin

