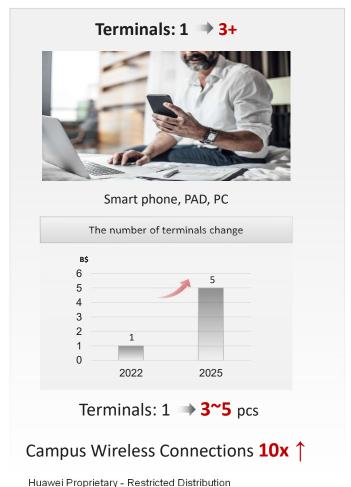




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## **Next-Level Campus – Vorbereitet auf das Datenzeitalter**





### Moderne Büros brauchen mehr: Bandbreite, Sicherheit & Erlebnis

#### Open office



Hybrid business concurrency



Terminals/AP 20+  $\rightarrow$  60+

Insufficient Wi-Fi Bandwidth
Video freezes, uploading and
downloading take a long time

0 lag for hybrid concurrency

#### **Confidential office**



Information security



Key info requires absolute security

The wireless signal can be connected outside the building, there are still hidden risks.

No data for signal capture

#### **R&D** office



Collaborative office



Coding package:  $1GB \rightarrow 20GB$ 

Network performance is limited, Large file uploads and downloads take a long time

20GB files transfer in mins

#### **HD** conference room



**HD** conference



Definition: 720P → 1080P/4K

The number of concurrencies is limited, and high-definition video are freezing.

0 freezing for 1080P/4K video



## Wi-Fi 5/6 stösst an Grenzen – Wi-Fi 7 ist bereit für moderne Büros



**30-channel** video, 500M transfer < **10s** 

Bandwidth: 20M~50Mbps, latency < 100ms

20GB coding package transfer < 5min

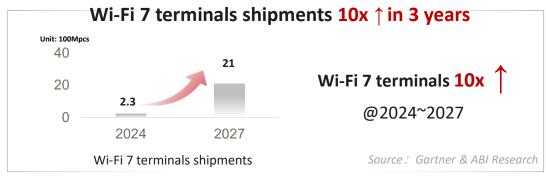
#### Wi-Fi Evolution, Enabling More Innovative Application Scenarios

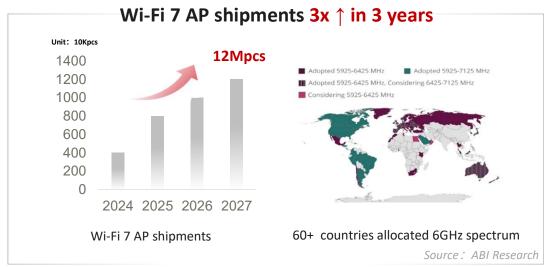
Scenario	Application	Bandwidth	Latency	Terminals	Wi-Fi 5	Wi-Fi 6/6E	Wi-Fi 7
HD Conference Room	720P	2~4Mbps	50ms	30~50	<b>✓</b>	<b>~</b>	<b>✓</b>
	1080P	4~6Mbps	50ms	30~50	X	<b>✓</b>	<b>✓</b>
	4K	20~50Mbps	50ms	30~50	X	×	<b>✓</b>
R&D Office	Al collaboration	500Mbps	10-20ms	15~30	X	×	<b>✓</b>
Open Office	Hybrid Business	30-channel 1080P+500Mbps cloud disk Synchronization			X	×	<b>✓</b>
Confidential Office	Security	data 0 leakage, E2E MACSec, security warning			X	×	<b>✓</b>
VIP Office	VIP Assurance	Dedicated lane for VIP, high priority anytime and anywhere			×	×	<b>✓</b>
Green Office	Energy-saving	Equipment-level, architecture-level, system-level			X	×	<b>✓</b>



## Wi-Fi 7 im Aufschwung – 60+ Länder bereit, Wachstum startet jetzt



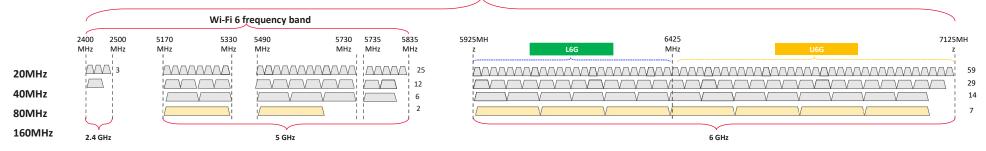




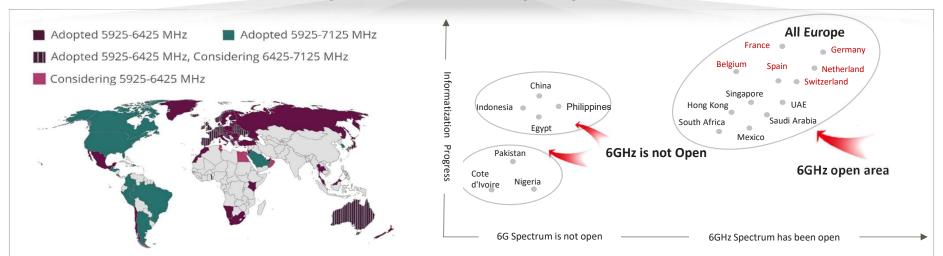


#### Wi-Fi 7 öffnet das 6-GHz-Band – für schnelleres und stabileres WLAN

#### Wi-Fi 7 frequency band



#### Global adoption of the 6 GHz frequency band



\*ource: https://www.wi-fi.org/countries-enabling-wi-fi-in-6-qhz-wi-fi-6e, until March 2024

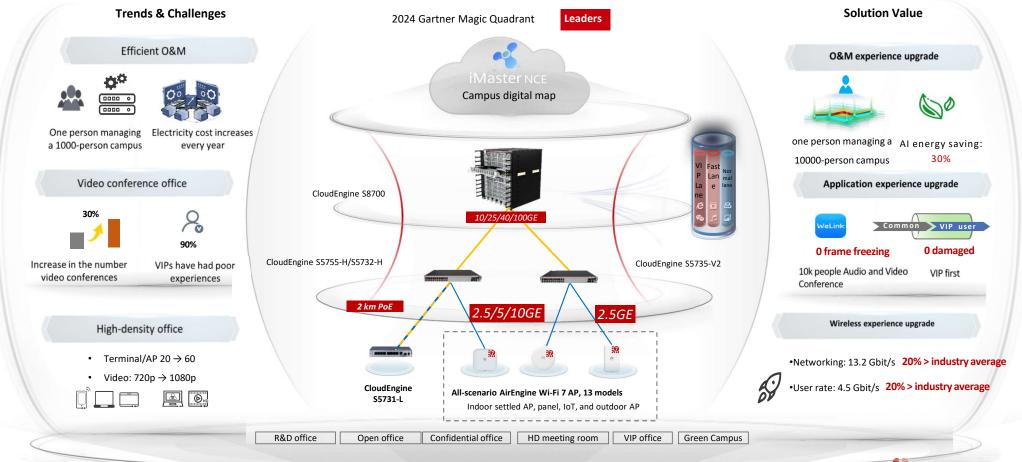


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## Huawei Wi-Fi 7 – High-End-Campus für die digitale Ära





## Open Office ohne Grenzen – dank Wi-Fi 7

#### **Scenario Application**



Hybrid high-density office



60 concurrent terminals

10 Mbps/terminal → 50 Mbps/terminal



Large lecture hall



1080p HD video

30-Channel → 120-Channel

#### **Huawei Wi-Fi 7 Unique Values**

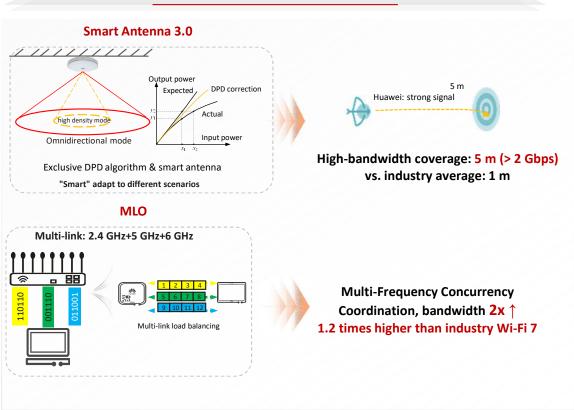
	Maximum Rate/Radio	Frequency band	Bandwidth	Modulation mode	Multi-RU	Multi-link
Wi-Fi 6	9.6Gbps (5G radio)	2.4GHz 5GHz	160 MHz		Frequency	
Wi-Fi 6E	9.6Gbps (5/6G radio)	2.4GHz 5GHz 6 <mark>GHz</mark>	160 MHz	1024-QAM	Frequency Time S-RU per user	Single-link Single-link
Wi-Fi 7	<b>23Gbps</b> (6G radio)	2.4GHz 5GHz 6GHz	320MHz	4096-QAM 20%+	Frequency Time Multi-RU per user	Multi-link

1.2 times higher than industry Wi-Fi 7



## 20 GB in paar Minuten. Maximale Performance. Dank Wi-Fi 7

#### **Scenario Application** high density mode Software package upload Vehicle-mounted and download software loading large package C C Loading Loading Loading 10 terminals, 20 GB software package 8 vehicles, 10 GB in-vehicle software downloading downloading 1 hour → 10 minutes 1 hour → 5 minutes 20Mbps 200Mbps 20Mbps 200Mbps

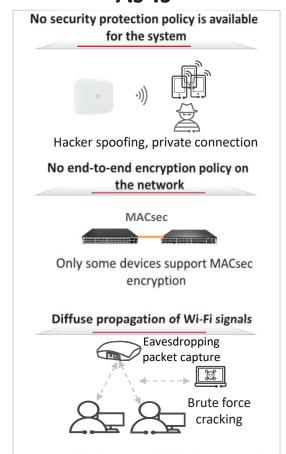


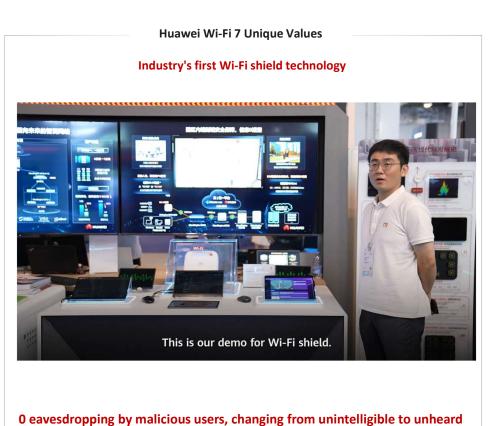
**Huawei Wi-Fi 7 Unique Values** 



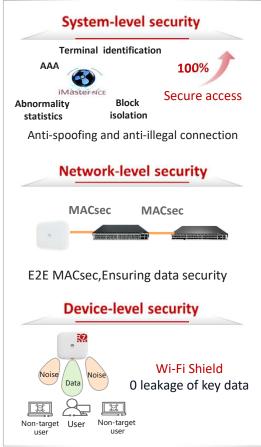
#### Datensicherheit auf höchstem Niveau – mit Wi-Fi Shield von Huawei







To-Be





## Flüssige Konferenzen – Priorisierung für mehr Produktivität

#### **Application Scenario**



Video conference



Poor experience, due to bandwidth occupation by file download, cloud disk synchronization, system update, etc.

Freezing sometimes

O freezing



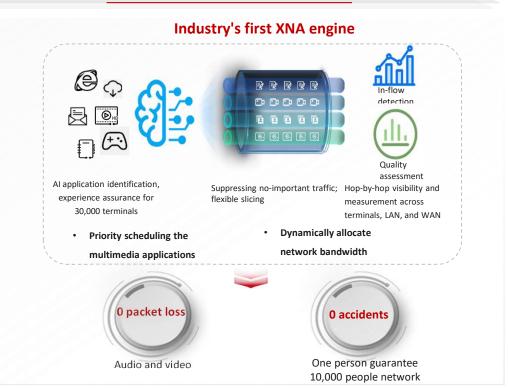
large-scale activities
Network assurance



Network assurance (by dozens of IT engineers) two weeks in advance, while still uncontrollable network performance

10 person-days → 0 person-day

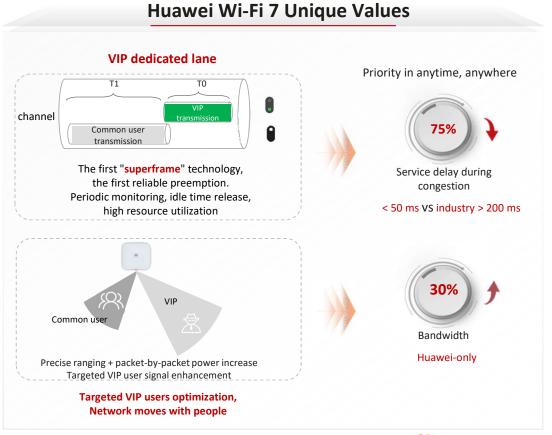
#### **Huawei Wi-Fi 7 Unique Values**





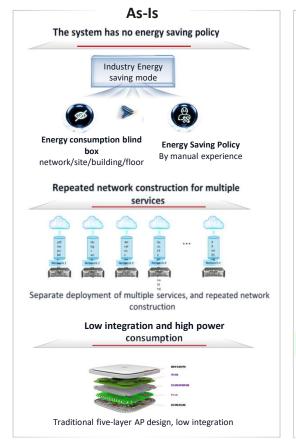
## Exklusiv für VIPs – Priorisierte Verbindungen, maximale Zufriedenheit

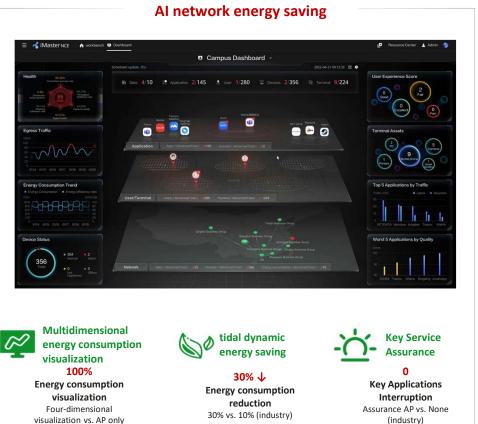
## **Application Scenario VIP** office Video conference Voice and video calls of VIP VIP user experience users assurance Packet loss Difficult to close Proactive care → 0 packet loss @ 90% users complaints for VIP users

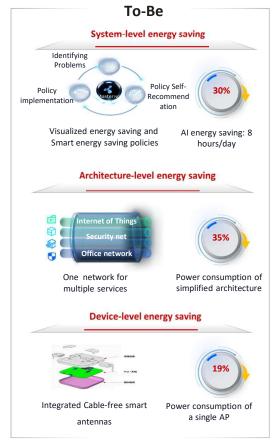




## **Green Campus – Intelligentes Management für nachhaltige Effizienz**









## Huawei AirEngine Wi-Fi 7 – Ihre Lösung für digitale Höchstleistung

Outdoor high-density scenario
High protection, high performance



AirEngine 6776I, 8T8R

Indoor high-density scenario
Triple-radio, improving by 50%



AirEngine 6776, 8T8R

IoT scenario
Built-in and external ondemand expansion



AirEngine 6776-58TI, 8T8R

Dense room scenario

Gigabit Wired On Demand Connectivity



AirEngine 5773, 4T4R

Large-scale campus indoor model
10G Wireless Drives Innovation and
Exploration



AirEngine 8771-X1T, 12T12R

Medium-sized campus indoor model
High performance and cost-effective is



AirEngine 6776, 8T8R AirEngine 5776, 6T6R Small-scale campus indoor model Optoelectronics on demand



AirEngine 5773, 4T4R

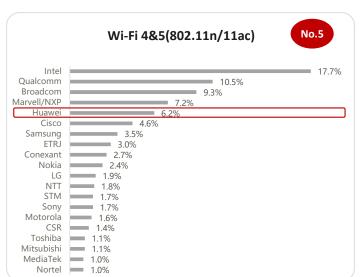
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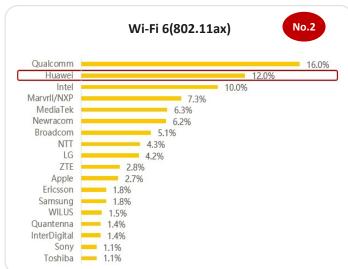
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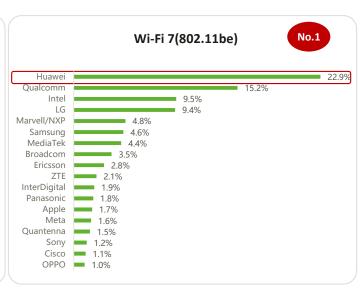


### Huawei Wi-Fi 7: Führend mit 22,9 % Beitrag zur Standardisierung

**Top 20 Wi-Fi Standard Contribution Rankings** 









Source:NGB



### Huawei als Leader im Gartner Magic Quadrant 2024 für LAN- und WLAN-Infrastruktur

#### Continuous Innovation and Advancement



Named a Leader for strong Wi-Fi 7 portfolio, and network assurance capabilities for high-quality experience in key applications and VIP users.

#### **Huawei strengths**

- **Strong product portfolio:** Huawei has a robust wired and wireless product portfolio that continuously monitors connectivity to increase performance and stability.
- Experience-centric network configuration and management: The iMaster NCE-Campus network management platform provides experience-centric wired and wireless LAN service quality and network assurance services.

2024Gartner MQ report



## Huawei Wi-Fi 7 – Globale Anerkennung und Einsatz bei 160+ führenden Unternehmen





# Thank you.

把数字世界带入每个人,每个家庭,每个组织,构建万物互联的智能世界。

Bring digital to every person, home and organization for a fully connected, intelligent world.

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