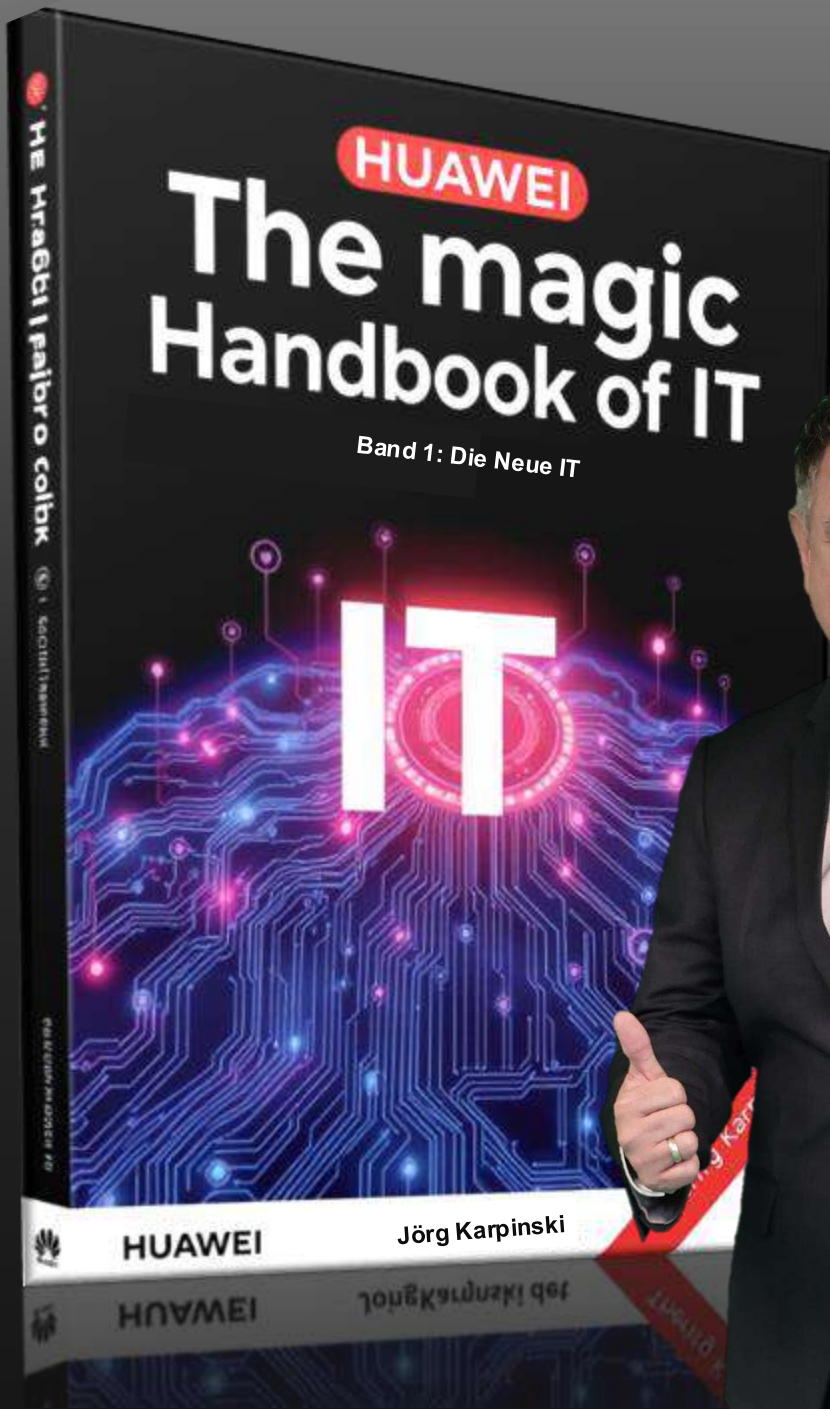


Keine Transformation ohne IT-Struktur

Jörg Karpinski

Sales-Director Huawei Deutschland, EBG
Director Public Business Deutschland, EBG



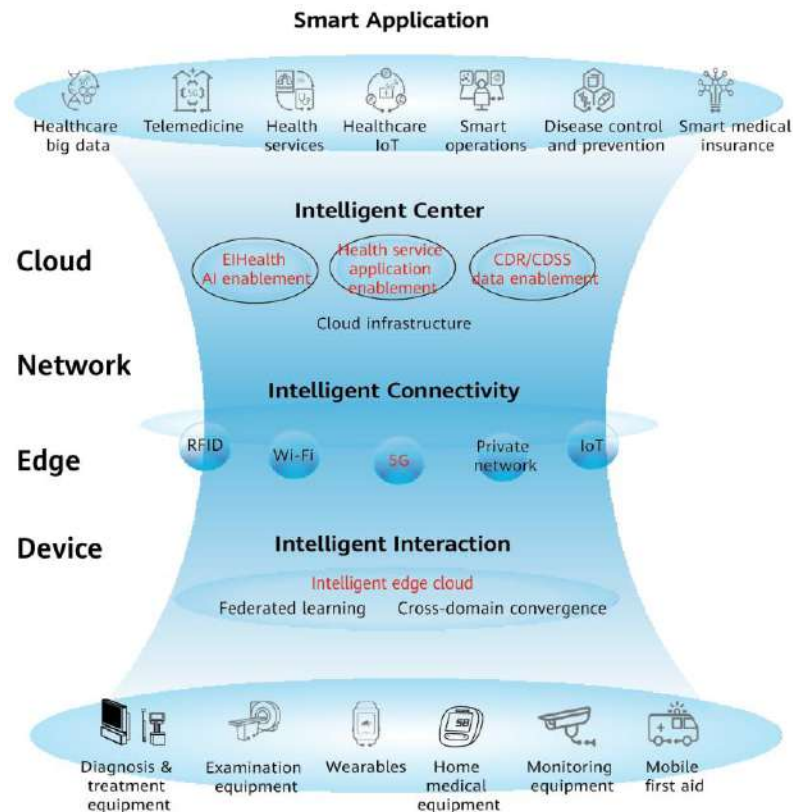
Ganzheitliche & verbundene Gesundheits-Strukturen

Wearables

Data-Network &
Communication

Datenspeicherung,
Verfügbarkeit ,
Colaboration

KI
Medical Imaging



Smart Application — Full-Service Applications

- Life and health services
- Healthcare big data applications
- Refined operations



Intelligent Center — Healthcare Service Enablement

- AI enablement: AI development platform and suite
- Application enablement: cloudification and software asset reuse
- Data enablement: data governance, CDR, and CDSS



Intelligent Connectivity — Converged Network

- 5G slicing: high performance and reliability
- IoT AP: built-in Bluetooth and smart antenna



Intelligent Interaction — Full-Lifecycle Health Data

- Cross-domain convergence of life and health data
- Horizontal and vertical federated learning
- All-round connectivity and intelligent sensing



FTTR (Fiber To The Room):

Glasfaser „minimalinvasiv“: Im Patientenzimmer in Minuten

- Glasfaser von der Rolle direkt und transparent auf die Wand “geklebt”
- Nahezu kein Eingriff in die Bausubstanz
- Highspeed Glasfaser an jeder Stelle
- Flexibel und erweiterbar

Multipler Einsatz: Wi-Fi, Sensing, Connecting

Wi-Fi 6/6E (802.11ax)

Band: 2.4, 5, and 6 GHz

Bandwidth: 20,40, 80 MHz

Optional 160 MHz

of Antennas: Up to 8

QAM : 1024 QAM

OFDMA (One resource unit RU- per user)

Speed: up to 9.6 Gbps

Wi-Fi 7 (802.11be)

Band: 2.4, 5, and 6 GHz

Mehr Möglichkeiten

Bandwidth: 20,40, 80 MHz

Mandatory 160 MHz in 6 GHz band
Optional 320 MHz in 6 GHz band
Multi-Link Operation

of Antennas: Up to 8

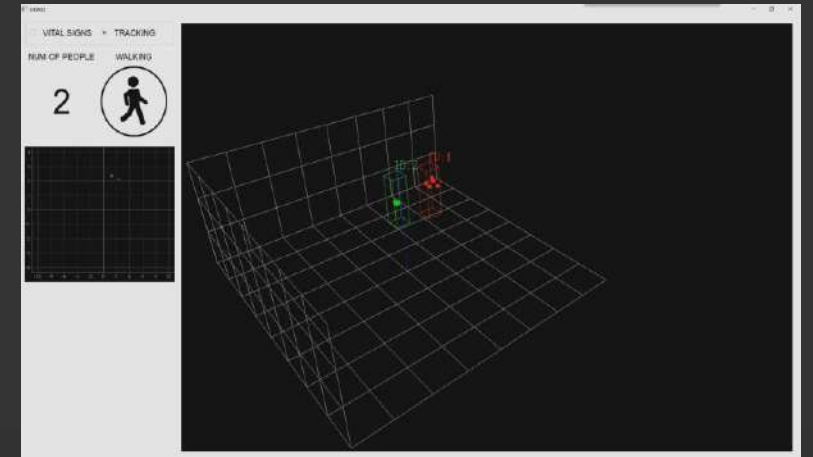
Mehr effektive Bandbreite

QAM : 4096 QAM
OFDMA (Multiple resource units per user)

Mehr Speed:
up to 30 Gbps

Coming Soon:

Wifi Sensing - mm Wave Radar
Tag-Free Technik Anonyme Realtime Daten



Anwendungsbeispiel:

Abrechenbare Vitalparameter Überwachung



SEAMLESS INTERACTION BETWEEN PRODUCTS & SERVICES BUILDS A COMPREHENSIVE, OPEN AND LEADING FITNESS & HEALTH ECOSYSTEM



Medizinische Zertifizierung



Ambulatory blood
pressure Monitoring

6-day[⚡]

typical usage



Complete Health Monitoring on Your Wrist



Health Forward

HUAWEI WATCH D2



EU Certificate

Quality Management System
REGULATION (EU) 2017/745 on Medical Devices, Annex IX Chapter I,
Section 2 and 3 and Chapter III
Registration No.: HZ 2042319-1



Manufacturer: Huawei Device Co., Ltd.
No. 2 of Xincheng Road,
Songshan Lake Zone, Dongguan,
523808 Guangdong
P.R. China
EUDAMED Single
Registration No.: CN-MF-000022811

Products: Product of class IIb:
Z12050392 ELECTROCARDIOGRAPHS – MEDICAL DEVICE SOFTWARE
The ECG app records the user's single-lead ECG, classifies sinus rhythm or
atrial fibrillation based on the ECG waveform. Users can share the ECG
recordings, rhythm classifications and accompany symptoms with a qualified
healthcare professional. The ECG app is intended to be used by people aged
18 years and over.

Product of class IIa:
Z12030203 BLOOD PRESSURE MONITORING INSTRUMENTS

Authorised
representative(s): Lotus NL B.V.
Koningin Julianaplein 10, 1e Verd, 2596AA, The Hague, Netherlands.

Certificate history		
Revision:	Description:	Issue date:
0	Initial revision	2022-09-01

The Notified Body hereby declares that the requirements of Annex IX, Chapter I, Section 2 and 3 of the
REGULATION (EU) 2017/745 have been met for the listed products. The above named manufacturer
has established and applies a quality management system, which is subject to periodic surveillance,
defined by Annex IX, Chapter I, Section 3 of the aforementioned regulation. The requirements of Annex
IX, Chapter III are fulfilled. If class III devices or class IIb implantable devices referred to in the second
subparagraph of Article 52(4) are covered by this certificate an EU technical documentation assessment
certificate according to Chapter II, Section 4.9 is required before placing them on the market.

Report No.: 10920529-130
Effective date: 2022-09-01
Expiry date: 2027-08-31
Issue date: 2022-09-01



Shengji Zhang
Shengji Zhang
TUV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

TUV Rheinland LGA Products GmbH is a Notified Body according to REGULATION (EU) 2017/745 concerning
medical devices with the identification number 0197.

1 of 1

- CE MDR medical certification
- ISO validation
- EUDAMED & DIMDS registered

All in One: Huawei Watch D2 – Der Gesundheitsbegleiter

Derzeit nur verfügbar in Asien

"Blutzucker- Risikobewertung,,

Die Funktion wird im Rahmen einer Studie
gemeinsam mit medizinischen Einrichtungen
angeboten und ist noch nicht als Ersatz für ein
kontinuierliches Glukosemessgerät (CGM)
gedacht.



Huawei Watch D2



Heart rate monitoring



Blood oxygen detection



Skin Temperature monitoring



Blood pressure



Blood pressure trend



Electrocardiogram analysis



Sleep monitoring

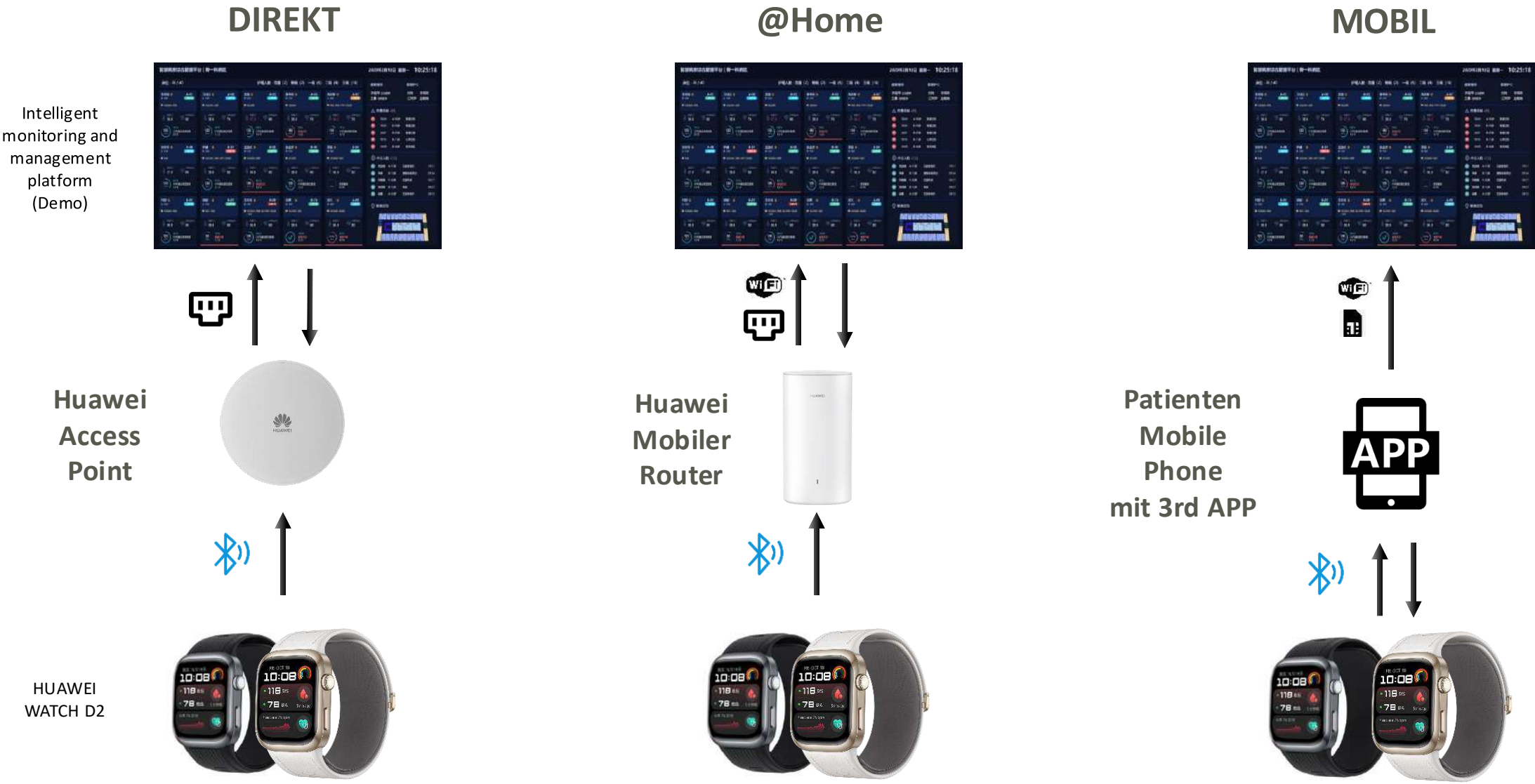


Stress monitoring



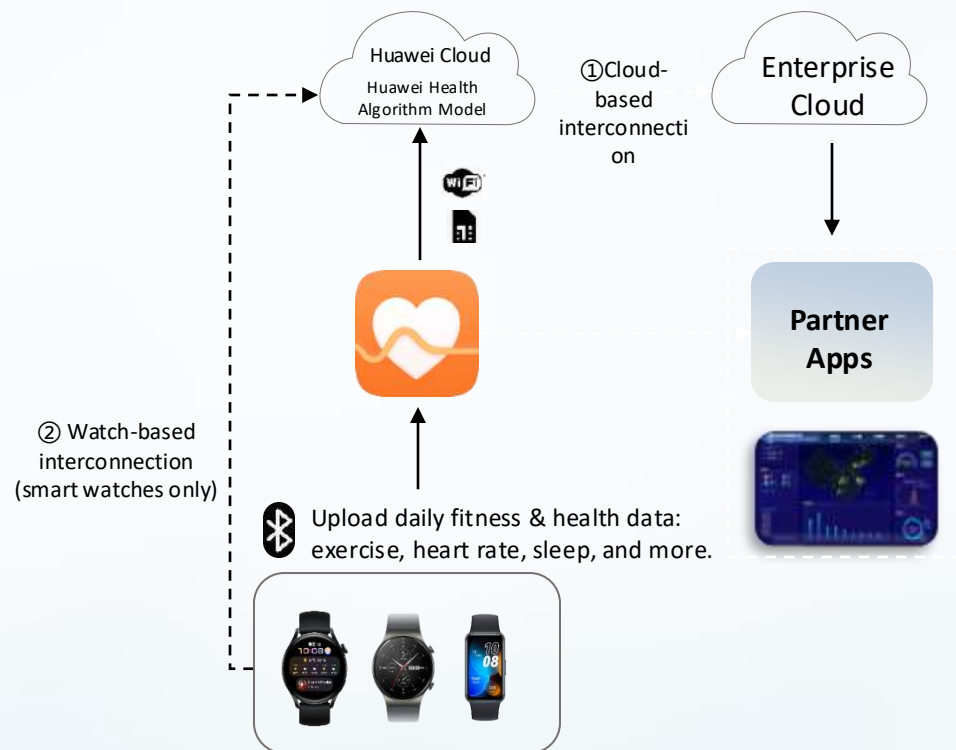
Abnormal reminder

Intelligente Monitoring Lösung für stationäre & häusliche Versorgung



Management Lokal oder als Cloud Service

Public Cloud Solution (Health Kit, HUAWEI ID is required)



Applicable scenarios: enterprise health management, insurance, and health care

Private Deployment Solution (SDK, not applicable to HUAWEI ID)



Applicable scenarios: energy and mines

In-Hospital Health Management & Schnittstelle Patientenakte



Pain Points

- Health data are collected by multiple devices that are used in an inconvenient and uncomfortable way
- Data are collected by manual operation, Some of the data are not collected continuously
- Lack of nursing resources

Benefits



All-in one data collection

Patient' s health data are collected by one single medically-certified equipment automatically and continuously



Work efficiency improvement

Automatic sync of patient' s Data to the medical workers' end to improve work efficiency



Better medical service

More comfortable measuring experience, multidimensional and continuous data sync, better service for patients



Meredith Grey



Herzinsuffizienz

Zurück

Behandlungshistorie

Details zur Überwachung der Diagnose des Patienten

Patientendetails

Profil anzeigen

Arnold Schwarzenegger
12989 Chalon Road
30-07-1947
arnold.schwarzenegger@mednet.swiss

Auswurfleistung

Hinzufügen

HFrEF 32%

(mögliches Herzversagen)

08.05.2024 11:00

Entwicklung anzeigen | Verlauf anzeigen



HUAWEI



BLUTDRUCK

88/56 mmHg

27.03.2025 08:03

HERZFREQUENZ

64 bpm

27.03.2025 08:03



Aktuelle Klasse

Hinzufügen



NYHA-Klasse

27.03.2025 08:03

Entwicklung anzeigen | Verlauf anzeigen

AKTUELLES GEWICHT

65 kg

27.03.2025 12:04



ZIELGEWICHT

73.5 kg

19.01.2025 17:20



Herzinsuffizienzspezifische Diagnosen

Hinzufügen

#	Ätiologie Gruppe	Untergruppe	Diagnosedatum	Aktualisierungsdatum
1	Hypertensive Herzkrankheit		15-04-2016	19-01-2025
2	Koronare Herzkrankheit		02-02-2016	19-01-2025



10 25 50 100

Neue Aufgaben | Neue Challenges | Neue Chancen



HUAWEI