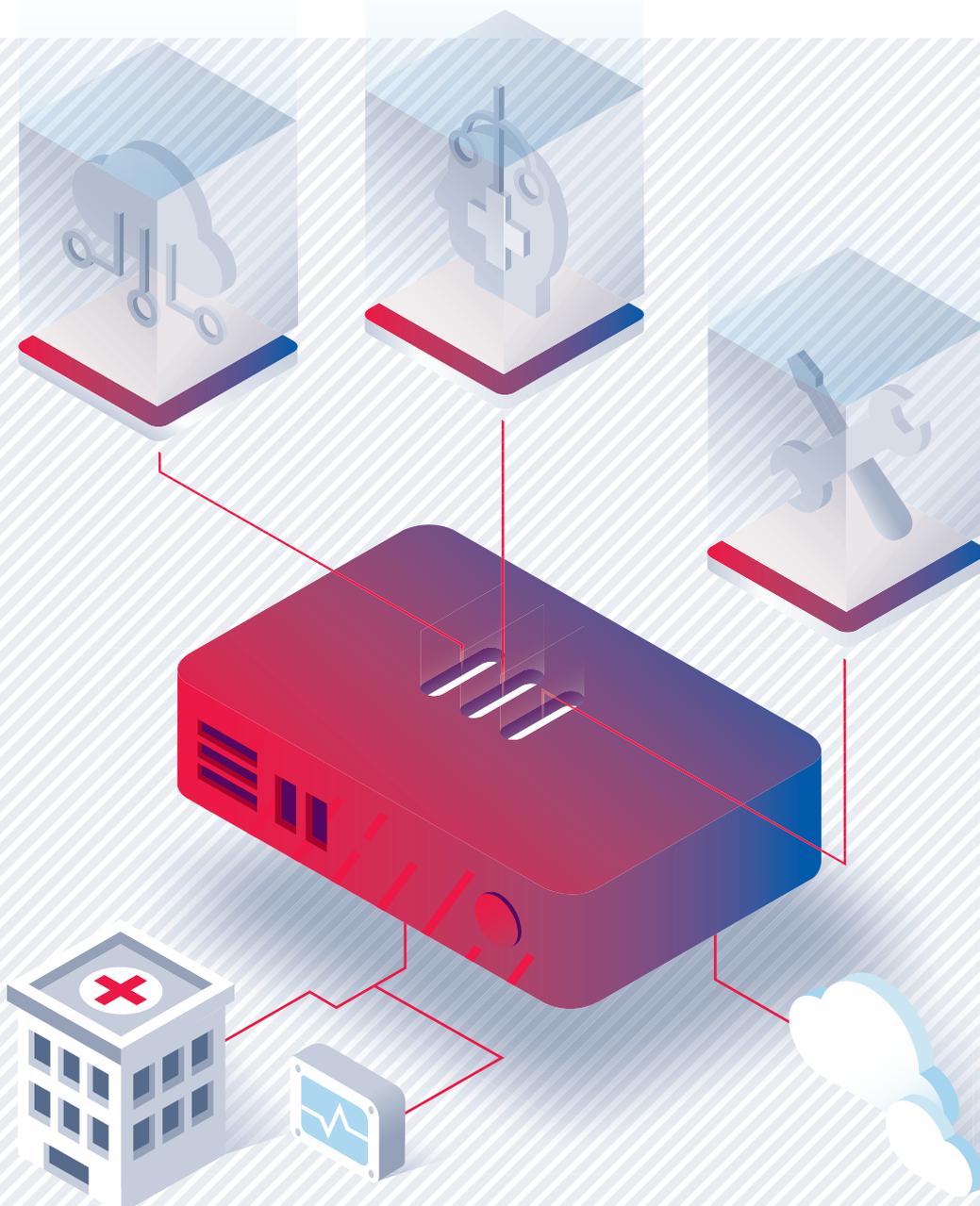




# Trustworthy connected medical technology

Secure gateway solution for infrastructure and solution providers or medical device manufacturers



# secunet medical connect protects medical devices and networks in operation and offers applications from solution providers and operators alike all the necessary system and security functions.

Operating medical devices in a networked digital world is a challenging task: data-driven use cases are complex, regulatory requirements must be complied with, and IT security aspects of medical networks, critical systems, sensitive applications and data must be addressed at all times.

In order to integrate medical technology and medical networks into individual digitization projects in a needs-based manner, it is necessary to address the requirements and measures of different domains and to combine the appropriate competences within a holistic solution concept.

## Holistic platform approach

As a security gateway, secunet medical connect offers a complete package for individual digitization projects. Placed between medical devices or networks and the broader local IT infrastructure, the solution ensures secure trusted communication and enables an unrestricted flow of information to data-driven value-added services.

secunet medical connect comes in different versions – adapted to the various application scenarios within the IT infrastructure. These, in turn, are all based on one and the same generic platform approach with a focus on

- **Secure and compliant networking** of medical devices and IT networks in accordance with requirements from regulations, standards and best practices (B3S hospitals, ISO 80001, IEC 60601, etc.) through the numerous integrated IT security features of the system
- **Integration of medical devices and networks** into data-driven services and processes through the isolated operation of specific applications of solution providers and operators within the secure execution environment
- **Flexibility in connectivity and performance** due to the hardware characteristics of a variety of performance classes and their respective interface standards
- **Easy to manage** thanks to fully comprehensive management interfaces to implement flexible provisioning and administration processes

## One box, countless possibilities

Thanks to its generic platform approach, secunet medical connect forms the basis of various usage scenarios within the IT infrastructure of healthcare facilities.

### „Out of the Box“ data endpoint

As a secure data endpoint, secunet medical connect can easily and securely connect the solution provider's value-added service into medical networks, be used for on-site data processing and establish the secure channel to central services – literally „out of the box“.

### Harmonization of remote maintenance

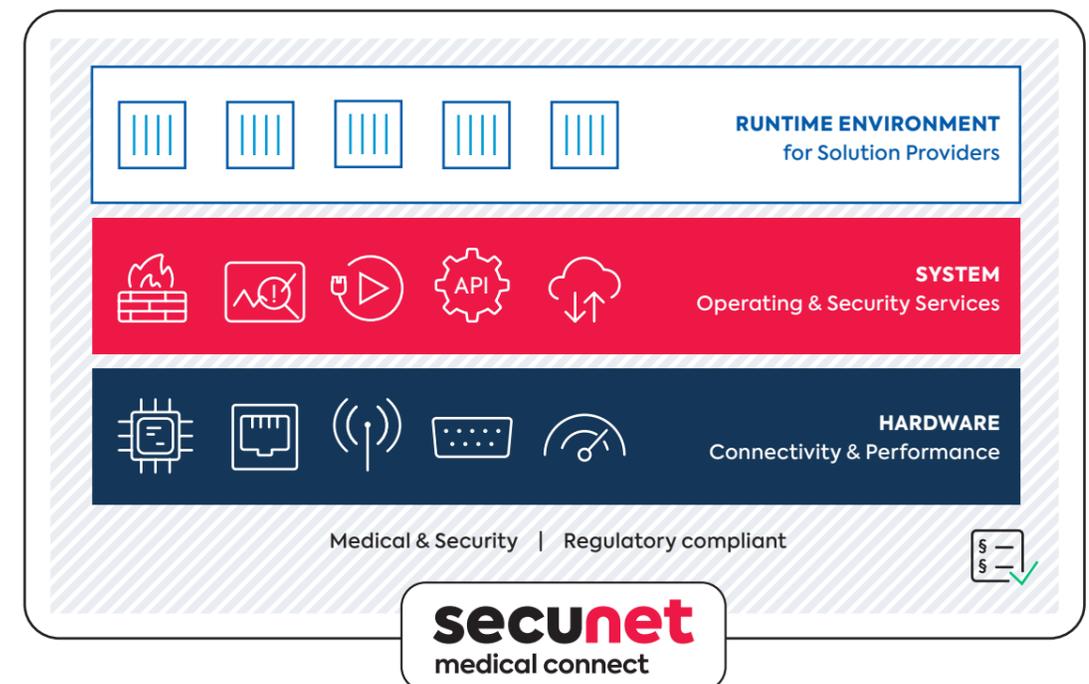
secunet medical connect harmonizes the heterogeneous remote maintenance landscape in the IT infrastructures of service providers. Medical systems and networks are protected in line with standards and best practices, while access from external sources is standardised, can be controlled and monitored.

### Successive service enablement

secunet medical connect consolidates various value-added services in a simple manner at a central location or close to the device in the customer's medical IT network infrastructure. Thanks to flexibility in hardware and software, applications can successively expand the universal platform approach and thus easily expand their own range of services.

## Benefits

- Focus on development and operation of in-house medical technology and services
- IT security „out of the box“ for secure execution and connection to digital services
- Constant protection of networked systems, networks and applications through regular gateway software maintenance
- Support in meeting regulatory requirements
- Harmonization of different digitization concepts on a single platform
- Retrofit and new concepts: Networking current & future medical technology
- Reduction of effort and costs through a standardised system platform
- Investment protection through successive implementation of use cases



## Flexible standard

Sustainably successful innovations and products can only be realized in a user-centric manner. That is why expert knowledge is combined in a universal platform approach from the hardware to the application level – from the development phase to rollout and commissioning. As a result, old and new technologies are both taken into account, standards and norms are served and suitable processes are implemented to provide customers with a flexible security gateway that can be individually integrated into the customer's digitization projects.

secunet medical connect can form the basis of the project in line with the customer's requirements. secunet advises customers and can determine whether „out of the box“ is already sufficient or whether the security gateway needs to be adapted to system and operating concepts through special integration scenarios.

**Further versions are under development.  
Individual customized versions are also possible.**

## Technical data

**Juno**



**Athene**



General technical data		
Dimensions (W x H x D)	250 × 180 × 70 mm	423 × 440 × 88 mm, 19" 2HE
Weight	approx. 900 g	approx. 12 kg
Performance specifications		
CPU	Intel Pentium N4200	Intel® Xeon® Silver 4310
RAM	8 GB LPDDR3	2× 16 GB DDR4-3200
Mass storage	16 GB M.2 PCIe	960 GB SSD
Interfaces	2× 1 Gbit-Ethernet, 1× USB 2.0	8× 1 Gbit-Ethernet, 2× USB 3.2, 2× USB 2.0, 1× VGA
Buttons	On/Off, Reset	On/Off
Trust anchor	integrated smartcard	integrated smartcard
Signaling	6× LED	6× LED
Operating specifications		
Power supply	12 V DC (Power supply unit), 100-240V AC 50Hz (Power socket)	2× 100 – 240VAC, 50Hz
Power consumption	7 W (average)	approx. 150 W
Temperature ranges		
Operation	+5 °C to +40 °C	+5 °C to +40 °C
Transport and storage	-10 °C to +55 °C	-10 °C to +55 °C

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### System Industrie Electronic GmbH

The S.I.E (System Industrie Electronic GmbH) is one of the market-leading development and manufacturing specialists for embedded systems and cyber-physical systems in challenging regulatory environments (medical, industrial, cyber security).