FASTedge
Reliable Shopfloor Connection

High-Performance Hardware
for the Shopfloor

FASTEC
Software for Production

FASTedge
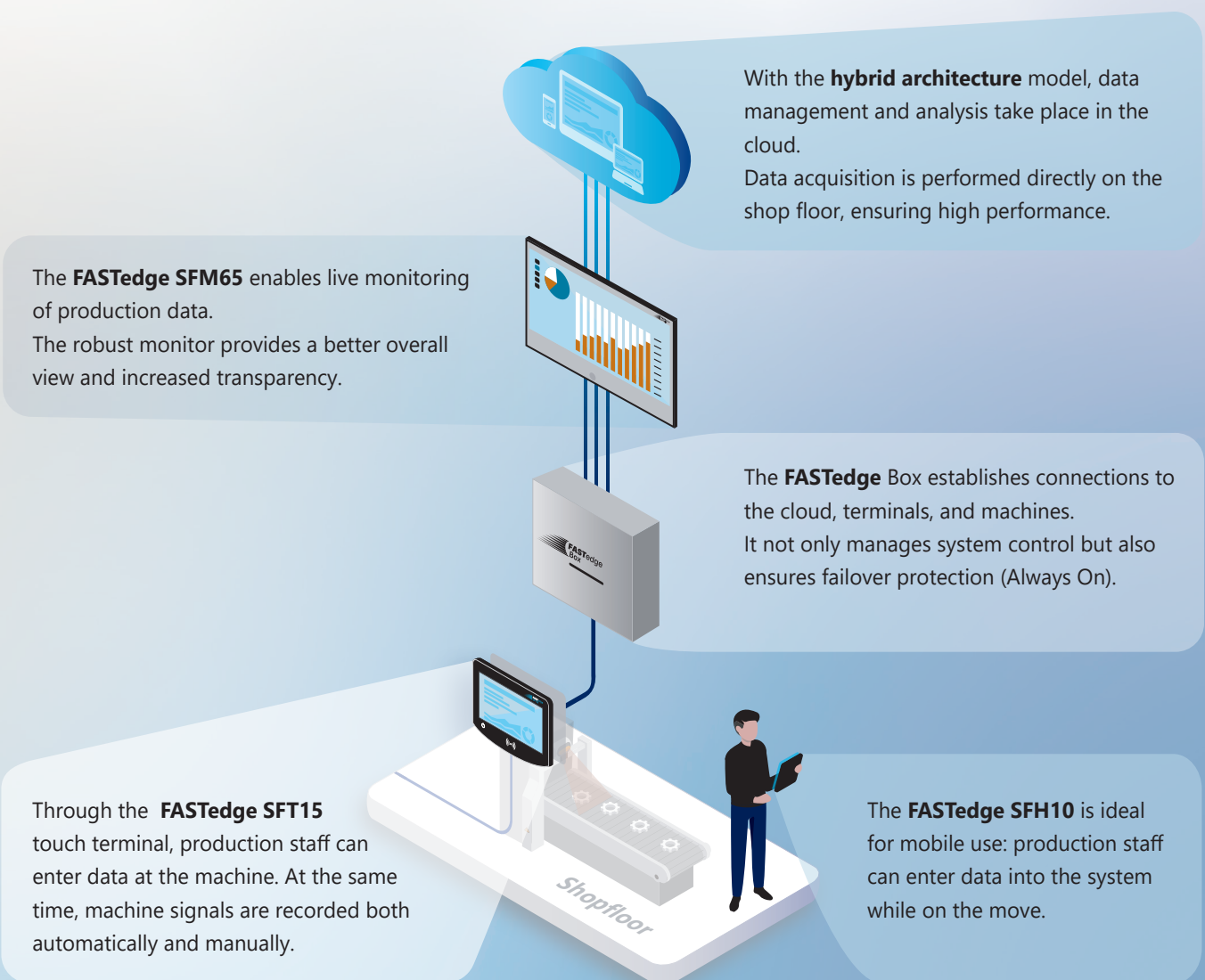Reliable Shopfloor Connection

Hybrid System Architecture
Optimal Compatibility of Software and Hardware

FASTedge is our in-house developed hardware product family. You receive not only the software but also all components for a fully operationa **Manufacturing Execution System (MES)** and benefit from a simple and fast installation **(Plug & Play)**.

Whereas you previously had to set up the IT infrastructure for a production system yourself, you can now obtain the entire

preconfigured hardware from a single source. With FASTedge, you have the option to rent the products flexibly. In the case of a malfunction, we will begin troubleshooting within 48 hours.

The internet connection is established via the customer's own network. Additionally, the Always-On function ensures **failover protection**.

With the **hybrid architecture** model, data management and analysis take place in the cloud.
Data acquisition is performed directly on the shop floor, ensuring high performance.

The **FASTedge SFM65** enables live monitoring of production data.
The robust monitor provides a better overall view and increased transparency.

The **FASTedge** Box establishes connections to the cloud, terminals, and machines.
It not only manages system control but also ensures failover protection (Always On).

Through the **FASTedge SFT15** touch terminal, production staff can enter data at the machine. At the same time, machine signals are recorded both automatically and manually.

The **FASTedge SFH10** is ideal for mobile use: production staff can enter data into the system while on the move.

Shopfloor

Your Solution Partner for Future Manufacturing

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The Control Center on the Shopfloor
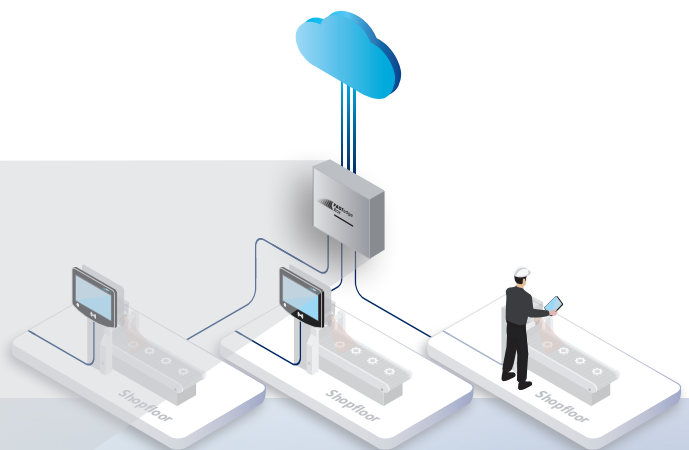## Our FASTedge Box

The FASTedge Box with stainless steel housing is the ideal solution for entering the world of digital production – without requiring major hardware investments. It integrates seamlessly into your existing IT infrastructure and reliably takes over system control **directly on the shop floor**. In addition, system availability is guaranteed (Always On).

An **uninterruptible power supply (UPS)** protects against data loss and enables safe shutdown in the event of a power outage.

For companies looking to implement an MES like FASTEC 4 PRO, the EdgeBox offers a simple starting point: It enables deployment without an additional server, reducing both complexity and costs. Internet connectivity and communication with terminals and machines are handled via the company's internal network. Regular cloud backups are also performed.

Product Details:

- Industrial-grade stainless steel housing: 45 cm wide, 38 cm high, and 20 cm deep
- Integrated box PC
- Operating system: Windows 11 IoT
- Processor: Intel Core i5, 11th generation
- RAM: 32 GB
- Storage: SSD, 128 GB
- Gigabit LAN
- Wi-Fi capable (on request)
- Uninterruptible Power Supply (UPS)

Learn more: **info@fastec.de | +49 5251 1647-0 | www.fastec.de**   **Your Solution Partner for Future Manufacturing**

FASTedge

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For Mobile Use in Production
Our FASTedge SFH10

Always have your MES with you: The FASTedge SFH10 (Shopfloor Handheld) is ideal for mobile use in production. The tablet is suitable for the following areas:

Maintenance: Especially in maintenance, employees benefit from the FASTedge SFH10. When they are on the shop floor for maintenance, they always have access to information such as manuals and documents.

Quality assurance: Similar to maintenance, employees from quality assurance leave their lab and go to the shop floor to carry out inspections. They can report these directly to the system via the tablet.

Multiple machine operation: With the FASTedge SFH10, not every machine needs its own terminal. Employees can carry the tablet with them and select the respective machine for MDC / PDC.

Traceability: Employees in the warehouse and on the shop floor record material to manage inventory and serial numbers as well as batches. The FASTedge SFH10 can replace a conventional scanner thanks to its integrated camera.

Product Details:

- Protection class: IP67
- Battery: 7.6V/6000mAh
- Display: capacitive touchscreen with 10.1 inches, resolution 1920 x 1080
- Operating system: Windows 11 Pro
- Processor: Intel Celeron N5100
- Network: WLAN and 4G
- Camera
- RFID reader and NFC (HID keyboard)
- QR code and barcode scanner (HID keyboard)

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Interface between Human and Machine
Our FASTedge SFT15

The FASTedge SFT15 is the link between human and machine. Developed based on years of experience, it offers everything the shop floor needs: a sturdy aluminum housing, a capacitive 15" touchscreen display, and intuitive operation.

Employees use the shop floor terminal to enter information into the system, for example, to provide reasons for machine malfunctions. It also comes standard with an **RFID reader** and **digital inputs for the automatic acquisition of machine signals**. Connection to the EdgeBox is established via LAN or WLAN.
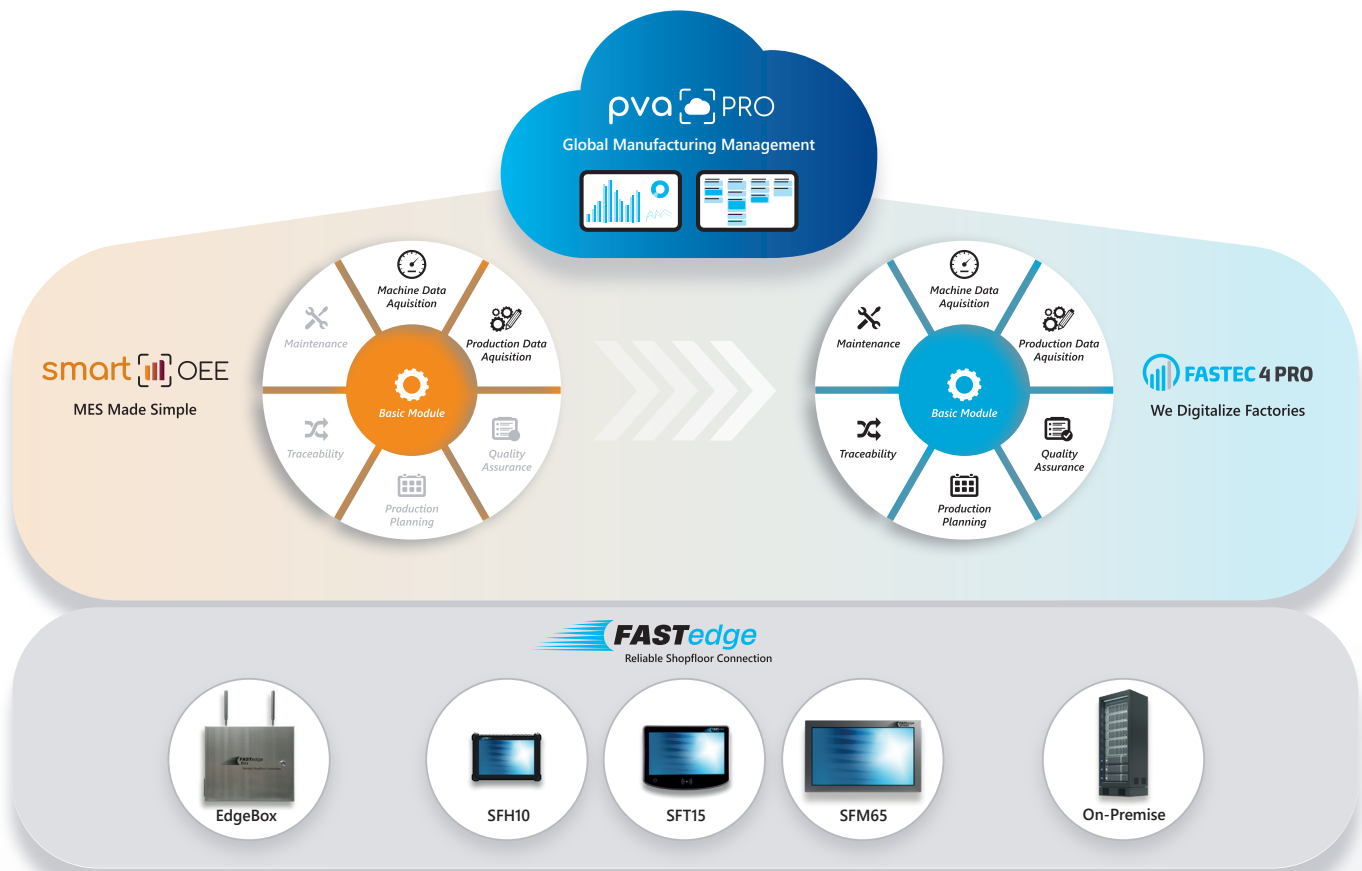
Product Details:

- Protection class: IP65
- Power supply: 24 V
- Display: capacitive touchscreen with 15.6 inches, resolution 1920 x 1080 pixels
- Operating system: Windows 11 IoT
- Processor: Intel Celeron J6412
- RAM: 8 GB
- Network: WLAN and LAN
- RFID reader: universal for all common formats
- Mounting: standard mounting option VESA 100×100 for various brackets (on request)

Interfaces:
- Digital inputs and outputs
- 2x Gigabit LAN
- HDMI, VGA, and 2x USB 3.0 interfaces

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FASTEC
Software for Production

pva PRO
Global Manufacturing Management

smart OEE
MES Made Simple

FASTEC 4 PRO
We Digitalize Factories

Machine Data Aquisition
Production Data Aquisition
Quality Assurance
Production Planning
Traceability
Maintenance
Basic Module

FASTedge
Reliable Shopfloor Connection

EdgeBox SFH10 SFT15 SFM65 On-Premise

Our Solutions at a Glance

Live & Global:
pvaPRO centrally manages locations and users in the cloud.
Both real-time data and historical production values are visualized in
clear dashboards.

Compact & Cost-Effective:
smartOEE enables entry into the MES world.
Companies achieve quick successes by collecting
machine and operational data and identifying potential
improvements. smartOEE justifies the investment in
MES FASTEC 4 PRO

Modular & Proven:
With FASTEC 4 PRO, additional functions can be
expanded. The MES digitalizes the entire production
process and covers all process steps – industry-
independent, flexible, and adaptable to individual
requirements.

Compatible & Robust:
FASTedge complements the software with matching hardware components, creating a
complete IT infrastructure from a single source. The terminal and tablet serve as the interface
between human and machine.

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FASTEC 4 PRO
We Digitalize Factories

smart OEE
MES Made Simple

FASTedge
Reliable Shopfloor Connection

FASTEC services
Enabling Your Digital Journey

Your Solution Partner for Future Manufacturing

Since 1995, we have been providing intelligent systems for the manufacturing industry, supporting our customers on their path to digital transformation. More than 400 companies worldwide trust us and achieve remarkable optimizations in their production with our MES solutions. Performance, reliability, and partnership define our approach as we help shape the factory of the future.

Our systems are built on one another and are fully integrated. Their modularity and continuous development allow you to expand MES functions at any time, enabling full production digitalization.

Whatever your requirements, we offer the right solution. We are with you every step of the way – throughout the entire project and beyond.

OPC FOUNDATION MEMBER

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