

## High-Performance Hardware

for the Shopfloor

# Hybrid System Architecture

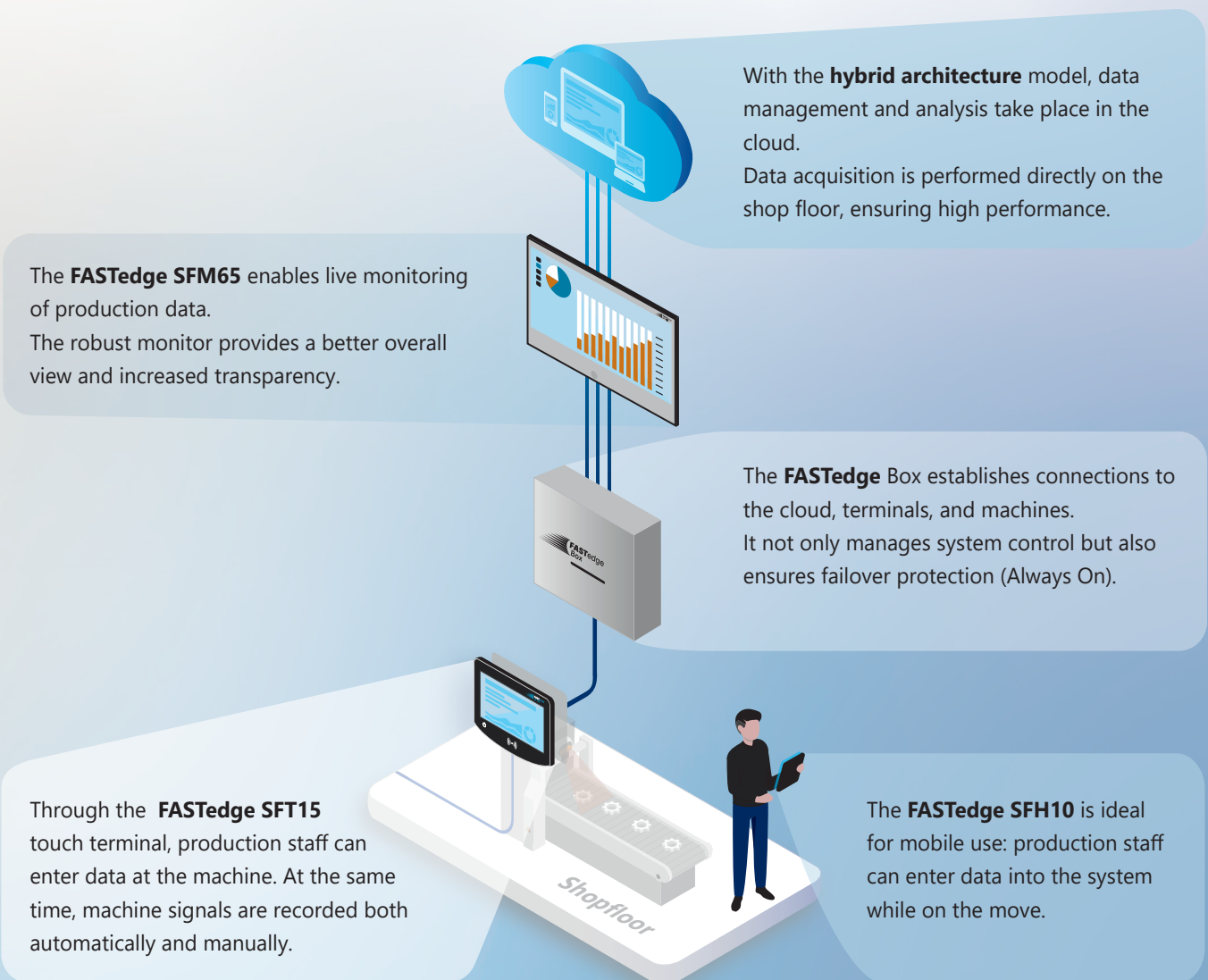
## Optimal Compatibility of Software and Hardware

**FASTedge** is our in-house developed hardware product family. You receive not only the software but also all components for a fully operational **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 and receive a replacement device within 48 hours if needed.

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



# Connection between Cloud and Shopfloor

## Our FASTedge Box

The FASTedge Box establishes the connection between the shop floor and the cloud within the **hybrid system architecture**.

The internet connection is established via the customer's own network or a mobile network. It not only manages system control but also ensures **failover protection** (Always On).

The EdgeBox, with its stainless steel housing, enables the connection and **acquisition of machine data**. The hardware integrates seamlessly into the existing IT infrastructure and can replace a traditional server, helping to conserve IT resources.

### Product Details::

- Industrial-grade stainless steel housing
- Integrated box PC
- Operating system: Windows 11 IoT
- Processor: Intel Core i5, 11th generation
- RAM: 32 GB
- Storage: 256 GB SSD
- Gigabit LAN
- Various ports, including HDMI, USB
- Wi-Fi capable (on request)
- Integrated cellular modem
- Uninterruptible power supply (UPS)



# For Mobile Use in Production

## Our FASTedge SFH10

The MES is always with you: The FASTedge SFH10 (Shopfloor Handheld) features a capacitive 10" touch display.

FASTEC has developed this rugged tablet for **mobile use in production**.

Employees who frequently change locations within production benefit the most from the FASTedge SFH10. They always have access to **all necessary information** and can **enter data into the system while on the move**. Typical application areas include maintenance, quality assurance, traceability, and multi-machine operation.

### Product Details:

- Protection class: IP67
- Battery: 7.6V / 6000mAh
- Screen: 10.1" capacitive touch display
- Resolution: 1920 x 1080
- Operating system: Windows 11 Pro
- Processor: Intel Celeron N5100
- Network: Wi-Fi and 4G
- Camera
- RFID reader and NFC (HID keyboard)
- QR code and barcode scanner (HID keyboard)



# Connection between Human and Machine

## Our FASTedge SFT15

The FASTedge SFT15 (Shopfloor Terminal) is ideal for **use in production**. It features a robust aluminum housing and a capacitive 15" touch display. Developed by FASTEC with years of experience, the terminal is specifically tailored to meet production requirements.

With the FASTedge SFT15, production staff can enter data directly at the machine, making it the operator's **interface to the system**. The terminal comes standard with an RFID reader and digital inputs for the automatic acquisition of machine signals. The connection to the EdgeBox is established via LAN or Wi-Fi.

### Product Details:

- 15.6" capacitive touch display
- Protection class: IP65
- Power supply: 24V
- Operating system: Windows 11 IoT
- Processor: Intel Celeron J6412, 8 GB RAM
- Network: Wi-Fi and LAN
- Universal RFID reader, including Legic and Mifare
- Mounting with VESA bracket
- Digital inputs and outputs
- 2x Gigabit LAN
- HDMI, VGA, and 2x USB 3.0 interfaces



# For Greater Transparency

## Our FASTedge SFM65

Whether on the shop floor or in the office, the FASTedge SFM65 (Shopfloor Monitor) enables **live monitoring of production data**. It features a 65" TFT LCD screen and can optionally be equipped with a stainless steel housing for use in the food, pharmaceutical, and medical industries. FASTEC developed this robust monitor to provide a **better overall view and greater transparency** in production.

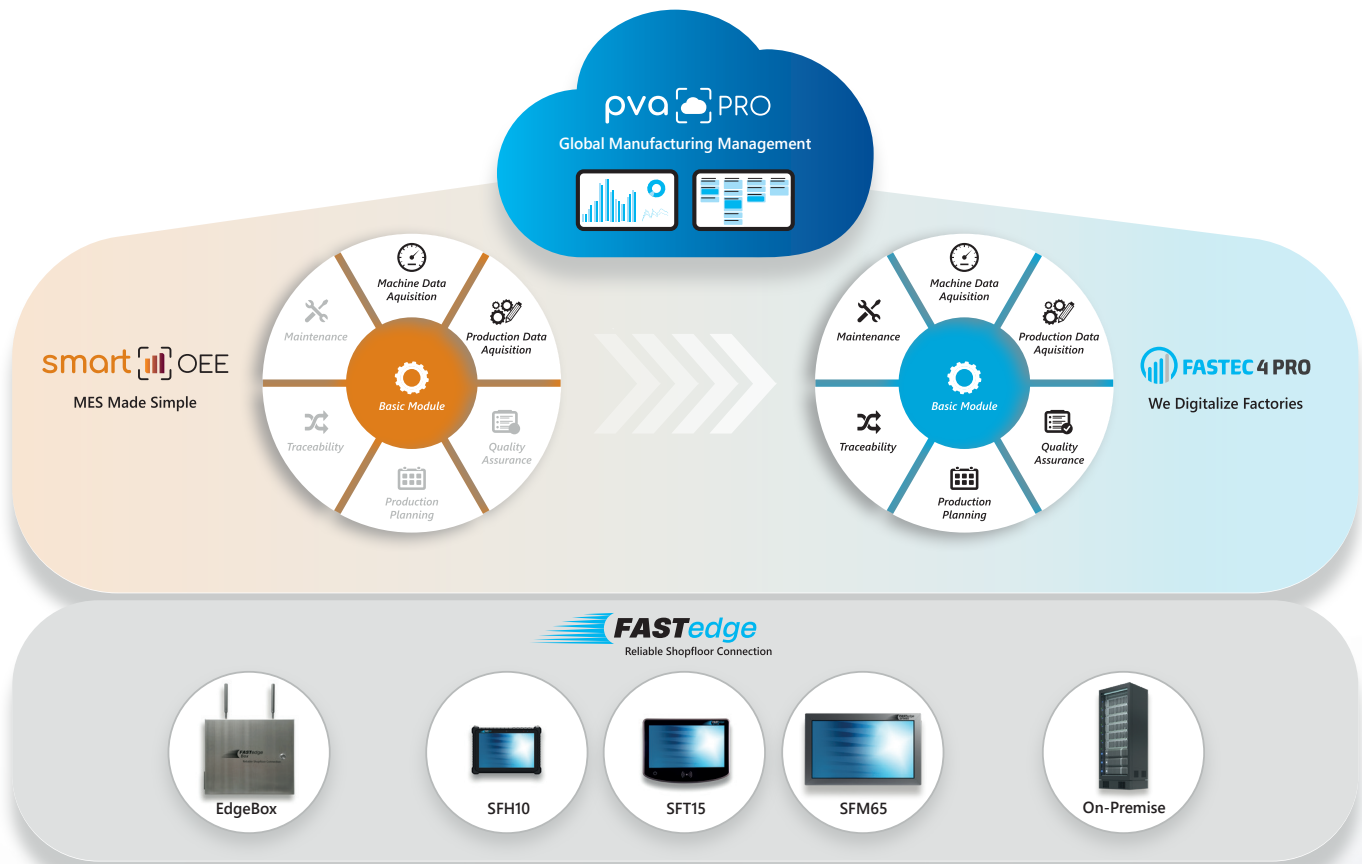
Employees can track live data on the large screen as they pass by, allowing them to **react quickly to changes**. In status meetings, they use the displayed production data to reflect on performance and derive optimization measures.

### Product Details:

- Screen: 65" TFT LCD display
- Resolution: 4K
- Hardened glass
- Operating temperature: -20 to 60°C, 10-85% humidity
- Network: Ethernet/Wi-Fi
- Wall mounting
- Optional:
  - Stainless steel housing with IP69 rating
  - Adapted Windows-PC







## 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.



## 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.