

## Field Xpert SMT70

### Universal, high-performance tablet PC for device configuration



More information and current pricing:

[www.endress.com/SMT70](http://www.endress.com/SMT70)

#### Benefits:

- High-performance, robust tablet with large 11.6" display and a battery runtime of up to 14 hours.
- Touch-enabled device configuration software for optimized asset management.
- Direct link to **Netilion**, Endress+Hauser's IIoT ecosystem.
- Pre-installed device driver libraries for all of the important industrial protocols.
- Fast connection to devices with a single click thanks to automatic hardware detection. Online application software and DTM/driver update service offer new functionality and maximum security.
- Integrated Heartbeat Verification incl. PDF documentation.
- Connection to Endress+Hauser Bluetooth and WLAN devices- perfect for difficult-to-access instruments.

#### Specs at a glance

- **Input Camera:** ▪ 5 MP camera on the back with auto focus and LED flash with 1500 mcd ▪ 2 MP camera on the front
- Scanner:** ▪ 1D/2D barcode scanner

**Field of application:** The Field Xpert SMT70 tablet PC for device configuration enables mobile plant asset management in hazardous (Ex zone 2) and non-hazardous areas. It is suitable for commissioning and maintenance staff to manage Endress+Hauser and third-party field instruments with a digital communication interface and documents the progress of the work.

#### Features and specifications

## Fieldbus components

### Measuring principle

Device configurator

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### Function

The Field Xpert SMT70 tablet PC for universal device configuration supports protocols such as HART, PROFIBUS DP/PA, FOUNDATION Fieldbus, Modbus, and Endress+Hauser service protocols (CDI, ISS, IPC and PCP). The devices can be connected directly via a suitable interface e.g. a modem (point-to-point) or a bus system (point-to-bus).

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### Input

Camera:

- 5 MP camera on the back with auto focus and LED flash with 1500 mcd
- 2 MP camera on the front

Scanner:

- 1D/2D barcode scanner
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### CPU

Intel Core i5-5200U (2,2...2,7 GHz)

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### Memory

- 8 GB with DDR3L adapter
  - 256 GB SSD M2-SATA robust version
  - Micro SD card slot, support for SDHC/SDXC
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### Power supply

Replaceable, rechargeable lithium polymer battery, 11.1 VDC, 4100 mAh (45 Wh)/7800 mAh (86 Wh) (optional)

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### Dimensions (WxHxD)

298.5 mm x 192 mm x 20 mm  
(11.4 in x 7.48 in x 0.78 in)

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## Fieldbus components

### Screen size

- 11.6" LCD display, with Gorilla Glass protector
  - Capacitive multi-touch screen
  - Optical bonding, sunlight readable, LCD (730 Nit)
  - Ambient light sensor
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### Resolution

1366 x 768 pixels

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### Communication interface

- 2 x USB 3.0
  - Intel Wireless AC7260 802.11 a/b/g/n/ac, DUAL Band WLAN
  - Bluetooth 4.0 BLE, Class 1
  - 4G LTE WWAN + 12 channel GPS (optional)
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### Operation

Operating system:

Windows 10 IoT Enterprise

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### Configuration

Touch-enabled device configuration software optimized for Field Xpert. The software supports protocols such as HART, PROFIBUS DP/PA, FOUNDATION Fieldbus, Modbus, and Endress+Hauser service protocols (CDI, ISS, IPC and PCP) and includes more than 2,700 pre-installed device and communication drivers.

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### Optional

4G LTE WWAN + 12 channel GPS

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## Fieldbus components

### Certificates

Degree of protection:

- IP65

Shock resistance:

- MIL-STD 810G 516.6 Procedure IV

Electromagnetic Compatibility:

Interference conformance to

- EN 55022: 2010+ AC: 2011
- EN 55022 Class B

- EN 61000-3-2

- EN 61000-3-3

Interference immunity to

- EN 55024: 2010

- IEC 61000-4-2

- IEC 61000-4-3

- IEC 61000-4-4

- IEC 61000-4-5

- IEC 61000-4-6

- IEC 61000-4-8

- IEC 61000-4-11

Hazardous area approval:

ATEX (Europe)

- ATEX II 3G Ex ic IIC T4 Gc IP64

- ATEX II 3D Ex ic IIIB T135°C Dc IP 64

NEC/CEC (North America)

- NEC/CEC Class 1, Div. 2, Group A-D T4

- NEC/CEC Class 1, Zone 2, Group IIC T4

IECEX (International)

- IECEX Ex ic IIC T4 Gc IP64

- IECEX Ex ic IIIB T135° Dc IP64

Radio approval:

- CE, FCC, IC
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