

Field Xpert SMT70

Universal, high-performance tablet PC for device configuration



Benefits:

- High-performance, robust tablet with large 11.6" display and a battery runtime of up to 14 hours.
- Touch-enabled device configuration software with a direct link to the Netilion Platform for optimized plant asset management.
- 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/Drivers update service offers 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.
- Recommendation: The **Library** application is a valuable supplement for Field Xpert. Library saves and organizes all your documents generated with Field Xpert in the Endress+Hauser Cloud making everything safe, up to date and available everywhere.

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

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).

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
-

CPU

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

Memory

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

Power supply

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

Dimensions (WxHxD)

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

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
-

Resolution

1366 x 768 pixels

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)
-

Operation

Operating system:

Windows 10 IoT Enterprise

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.

Optional

4G LTE WWAN + 12 channel GPS

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