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 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. Field Xpert also uses the most secure Bluetooth connection for its wireless connectivity!

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

More information and current pricing: www.us.endress.com/SMT70
### 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)
Field Xpert SMT70

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

More information www.us.endress.com/SMT70