

Large screen size.
Superior performance.
High ruggedness.

ecom
A PEPPERL+FUCHS BRAND

Windows Tablet PC
for hazardous areas



Your automation, our passion.

 **PEPPERL+FUCHS**

Pad-Ex® 01 HR



WITH PAD-EX® 01 HR THE DESKTOP BECOMES MOBILE FOR STAFF AND EXECUTIVES

Pad-Ex® 01 HR redefines what a mobile Full Win tablet PC shall be: While being given its level of ruggedness, Pad-Ex® 01 HR meets all the environmental requirements and supports the 5th generation Intel® Core™ i5 / i7 processor. It also provides battery life up to 7 / 14 hours and Windows® 10 support. Combining robust features and a large screen size, superior performance is ideal for field operatives of all sectors to complement or even substitute Desktop PC, laptop or wall mounted display.

RUGGED REVOLUTION THIN, LIGHT AND STRONG

Pad-Ex® 01 HR is rugged mobility at its finest. Its ultra-thin and lightweight exterior measures only 20 mm in height and 1.2 kg in weight.

Supporting such an ultra compact form factor, Pad-Ex® 01 HR manages to fully meet IP65, 4 feet drop and MIL-STD 81 OG for vibration. With its additional display protection it offers complete protection against the harsh environment field workers face and minimizes burden on their bodies during long hours of work.

Pad-Ex® 01 HR Certified for hazardous areas



IP64

GPS

FEATURES

- IP65
- 4 feet drop and MIL-STD 810G
- 11.6" Widescreen Display
- Sunlight Readable Display
- Capacitive Multi-Touch Screen
- Data Collection
- 1D / 2D Barcode Scanner (optional)
- 5MP Auto Focus Camera with LED Flash Light
- High Speed and Efficiency for the Most Demanding Tasks
- 5th Generation Intel® Core™ Processor
- Windows 10 Pro
- Superior Wireless Connectivity
- Support 4G LTE
- Support GPS / Augmented Reality
- Intel Wireless AC7260 802.11 a/b/g/n/ac
- Bluetooth 4.0 Class 1
- Service Level Agreement
- Custom Software Load

ENABLING MOBILE WINDOWS DESKTOP PC



HD 1920x1080: HIGH RESOLUTION DISPLAY

11.6" WIDESCREEN DISPLAY WITH SUNLIGHT READABLE SOLUTION

- Sunlight Readable Display
- Capacitive Multi-Touch Screen

INTEGRATED OPTIONS FOR VARIOUS APPLICATIONS

Data Collection

- 1D / 2D Barcode Scanner
- 5MP Auto Focus Camera with LED Flash Light



Leather Case



Office Dock

DZ2

<p>ATEX</p> 	<p>II 3G Ex ic IIC T4 Gc IP64 II 3D Ex ic IIIB T135° Dc IP64</p>
<p>IECEX</p> 	<p>Ex ic IIC T4 Gc IP64 Ex ic IIIB T135° Dc IP64</p>
<p>NEC / CEC</p> 	<p>Class I, Division 2, Group A-D T4 Class I, Zone 2, Group IIC T4</p>

Enterprise Mobility



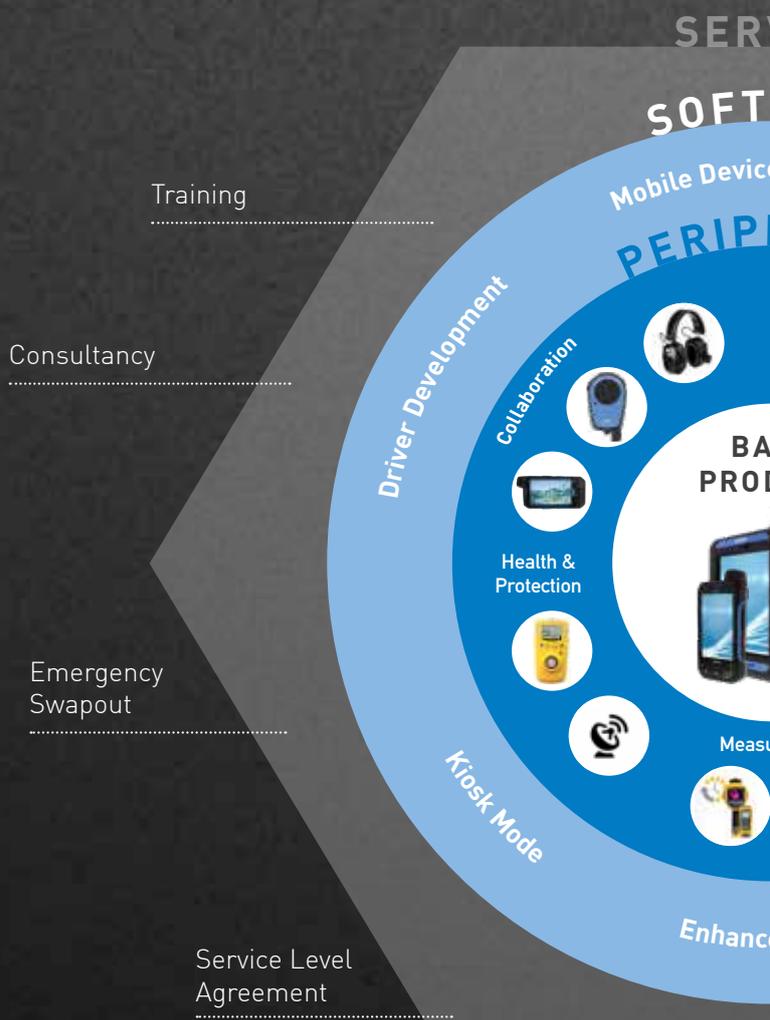
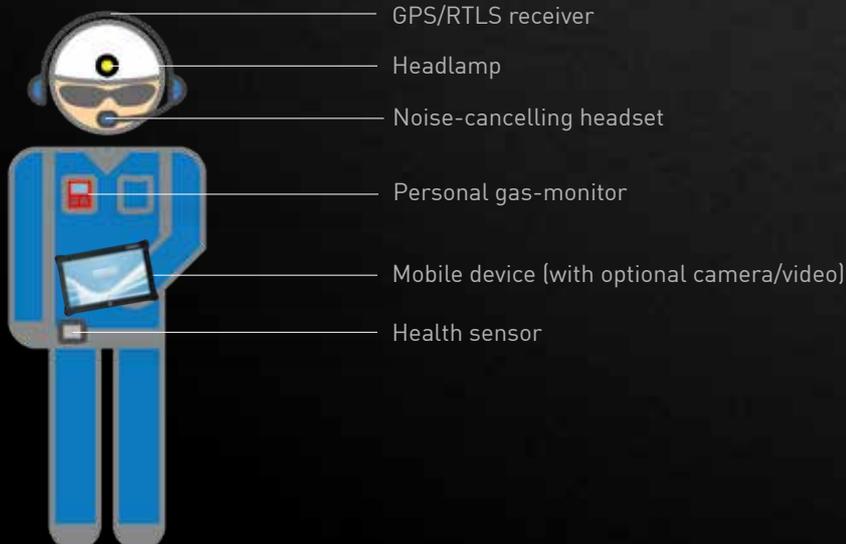
CONNECTIVITY – FAST AND FLEXIBLE

As private 4G / LTE wireless connectivity is increasingly adopted within hazardous areas, Pad-Ex® 01 HR ensures access is fast and seamless – enabling users to quickly access the information needed to perform the task at hand. And, for sites with WiFi access or no wireless access, Pad-Ex® 01 HR provides the flexibility to meet your needs - preventing costly infrastructure updates.

Central to ecom's Mobile Worker concept, the latest Bluetooth standards are also supported by Pad-Ex® 01 HR, allowing real-time connectivity to both Bluetooth SmartReady Low Energy 4.0 (BLE) devices as well as older legacy Bluetooth devices. This allows the mobile worker to benefit from expanded Pad-Ex® 01 HR capabilities such as data collection and measuring/monitoring devices, headsets, AutoID, and Bluetooth Beacons for localization.



MOBILE WORKER



ECOM'S MOBILE WORKER CONCEPT



Hazardous Area
Know-How

Custom
Software Load

Rental/
HaaS

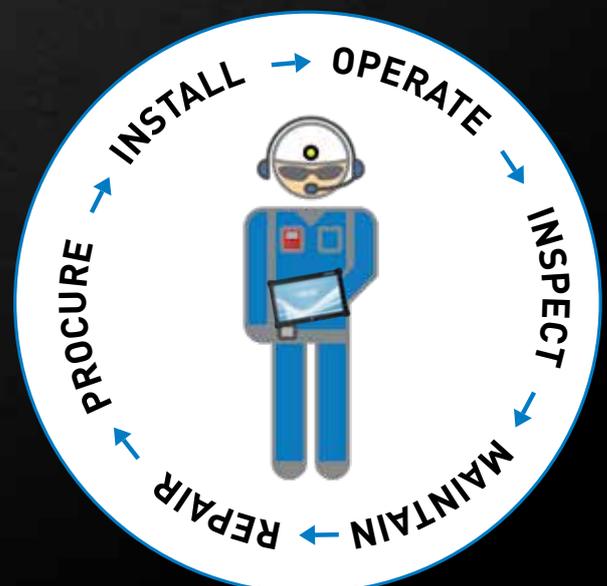
Development
Assistance

▶ Ensuring and maximizing mobile worker's efficiency & productivity

▶ Ensuring accurate data capture and real-time information and decision making

▶ Minimizing costs

▶ Improve ease of use & customer experience



Pad-Ex[®] 01 HR



Pad-Ex[®] 01 HR Connectivity without limits - Loc-Ex[®] 01

DESCRIPTION

BLE beacons are small radio beacons that emit a signal at periodic intervals.

The Bluetooth 4.0 standard makes the beacons compatible with currently popular smartphones & tablets and they can be recognized by such devices over a distance of up to 200 m. The beacon signals can be evaluated by the mobile device via individual applications and, in this way, interact with the user or other programs.

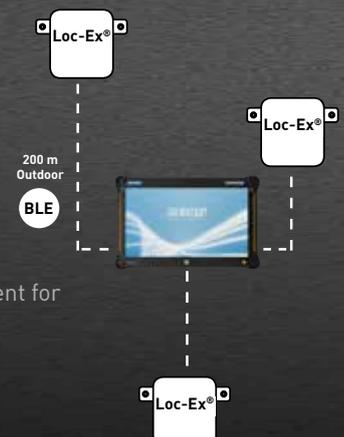
FOR INSIDE AND OUTSIDE THE EX-HAZARDOUS AREA

The beacons are available for ATEX / IECEx Zone 1/21 (Loc-Ex[®] 01) and for Non-Ex areas (Loc 01 HC & Loc 01 SC). Due to their UV-resistant housing material they can be used both, indoors and outdoors.

The beacons can be mounted directly on a suitable surface or easily adapted on the optional available mounting plate (which facilitates the battery exchange of the beacons).

BENEFITS OF APPLICATION

- Indoor localization
- Lone worker protection
- Physical access control
- Guard control system
- Guiding visitors
- BLE Beacon as replacement for NFC beacon





Pad-Ex® 01 HR Connectivity without limits - Ident-Ex® 01

IDENT-EX® 01 SCANNER & READER (RFID & BARCODES)

If data capture is proving a challenge and you need a powerful and professional solution, you should turn to the Ident-Ex® 01.

IDENT-EX® 01 SCAN HANDLE

Using an unique modular design, Ident-Ex® 01 can be specifically configured to the customer's requirements by selecting different head modules. Even if requirements change, the head module on the unit can be replaced by one of the ecom - approved Service Centers.

ADVANTAGES OF IDENT-EX® 01

- Ultra-rugged
- Easy to use, with one hand
- 10.000+ scans with one battery charge
- RFID= up to 1,5 m
Barcode= 15 cm to 15 m
- Combi-Headmodules
available with 2 separate buttons on the handle

Pad-Ex[®] 01 HR

TECHNICAL DATA

Rugged features

IP65

Drop

MIL-STD 810 G 516.6 Procedure IV

6 drops from 4 feet height to plywood over concrete

Vibration

MIL-STD 810G 514.6 Procedure I Cat. 24, Fig. 514.6E-1

Environment

Temperature

Operating: -10°C - +55°C

Humidity

Operating: 5% - 95%

Altitude

Operating: 15,000 feet

Operating System

Windows 10 Pro (64 Bit)

CPU

Intel Broadwell i5 (5200 U)

Optional Intel Broadwell i7 (5500 U)

Memory

One DDR3L socket for 4GB / 8GB / 16GB

Storage

M2-SATA SSD 128GB / 256GB / 512GB

Display

- 11.6" HD (1920 x 1080) LCD Panel
- Capacitive Multi-Touch
- Optical Bonding Sunlight Readable

Sensor

Built-in G sensor, Gyroscope, and E-Compass, Light Sensor

Audio

- Speaker x1 / 70dB
- Microphone x1

Camera

- 2MP Front Facing Camera
- 5MP Rear Camera with auto focus and 1500mcd LED flashlight
- Optional Non-camera version possible

Communication

1. WWAN LTE + GPS Combo (US & EU)

+ Intel Wireless AC7260 802.11 a/b/g/n/ac

+ Bluetooth 4.0 Class 1

Data Collection

- Optional 1D / 2D Barcode Scanner

V0 Ports

- Two USB 3.0
- One Headphone out / Mic-in jack
- One Docking Connector
- One Expansion Connector for Expansion Modules
- Two RF pass-through connectors for WWAN & GPS

Expansion Slots

- One Micro SD card slot support SDHC & SDXC
- One SIM card slot for WWAN data communication

Button

- Power
- Volume
- Windows Touch button
- Barcode / Camera Touch Button
- Programmable Touch Button

Battery

One 3950 mAh Li-Polymer battery pack: 7hrs *

Optional (spare part) 7800 mAh Li-Polymer battery pack: 14hrs *

AC Adaptor

19V, 3.42A; 65W

Dimension

298.5mm x 192mm x 20mm

Weight

1.2 Kg

* in real-life use case



MOBILE
COMPUTING

CONFIGURATION

ARTICLE CODE	CERTIFICATION	FRONT CAM	REAR CAM	CPU	SSD / GB	RAM / GB	WWAN/GPS	SCANNER
480983-100000	DZ2	✓	✓	i5	128 GB	4 GB	-	-
480983-100016	DZ2	✓	✓	i5	128 GB	4 GB	US GPS/LTE EU GPS/LTE	-
480983-100017	DZ2	✓	✓	i5	256 GB	8 GB	US GPS/LTE EU GPS/LTE	✓
480983-100003	DZ2	✓	✓	i5	256 GB	8 GB	-	-
480983-100004	DZ2	✓	✓	i5	256 GB	8 GB	-	✓
480983-100006	DZ2	-	-	i5	128 GB	4 GB	-	-

ACCESSORIES

<p>BP P01 HC (Spare battery 7800 mAh)</p> 	<p>BP P01 SC (Spare battery 3950 mAh)</p> 	<p>DC P01 HC (Battery Charger for BP P01 HC)</p> 	<p>DS P01 A01 (Office Dock)</p> 
<p>HA P01 A01 (X-Strap)</p> 	<p>CH P01 A01 (Shoulder-Strap)</p> 	<p>CA P01 A01 (Hand-Strap)</p> 	<p>LC P01 A01 (Leather case)</p> 
<p>VH P01 A01 (Vehicle Dock with Car Adapter)</p> 			

Your automation, our passion.

Explosion Protection

- Intrinsic Safety Barriers
- Signal Conditioners
- FieldConnex® Fieldbus
- Remote I/O Systems
- Electrical Ex Equipment
- Purge and Pressurization
- Industrial HMI
- Mobile Computing and Communications
- HART Interface Solutions
- Surge Protection
- Wireless Solutions
- Level Measurement

Industrial Sensors

- Proximity Sensors
- Photoelectric Sensors
- Industrial Vision
- Ultrasonic Sensors
- Rotary Encoders
- Positioning Systems
- Inclination and Acceleration Sensors
- Fieldbus Modules
- AS-Interface
- Identification Systems
- Displays and Signal Processing
- Connectivity