

ecom

A PEPPERL+FUCHS BRAND



Pad-Ex® 01 DZ2

WINDOWS TABLET PC

FOR HAZARDOUS AREAS

Pad-Ex® 01



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

Pad-Ex® 01 redefines what a mobile Full Win tablet PC shall be: While being given its level of ruggedness, Pad-Ex® 01 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 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 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 Certified for hazardous areas



IP64

GPS

FEATURES

- IP65
- 4 feet drop and MIL-STD 810G
- 11.6" Widescreen Display
- Sunlight Readable Display (Brightness: 730 cd/m²)
- 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 7 / 8.1 / 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



11.6" WIDESCREEN DISPLAY WITH SUNLIGHT READABLE SOLUTION

- Sunlight Readable Display (Brightness: 730 cd/m²)
- 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 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 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, 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 capabilities such as data collection and measuring/monitoring devices, headsets, AutoID, and Bluetooth Beacons for localization.



MOBILE WORKER



ECOM'S MOBILE WORKER CONCEPT



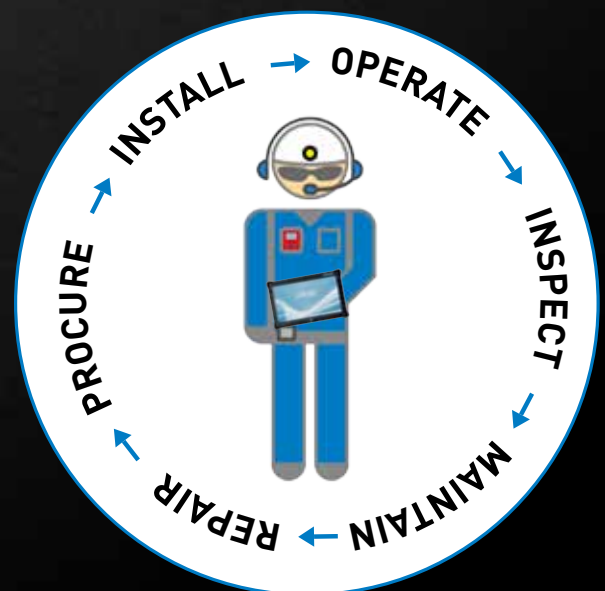
Hazardous Area Know-How

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



Pad-Ex® 01 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.

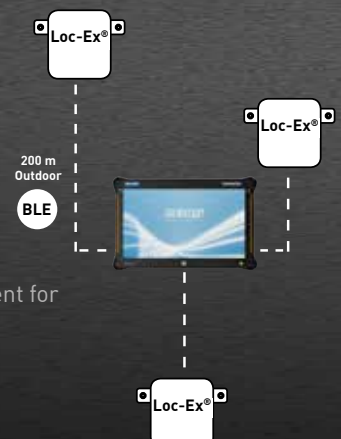
FOR INSIDE AND OUTSIDE THE EX-HAZARDOUS AREA

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

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



MOBILE
COMPUTING

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)

Downgrade Windows 8.1 Pro / Windows 7 Pro possible

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 (1366 x 768) LCD Panel

- Capacitive Multi-Touch

- Optical Bonding Sunlight Readable LCD 730 cd/m²

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 (AU & EU) or**

2. **WWAN LTE + GPS Combo (US)**

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

+ Bluetooth 4.0 Class 1

Data Collection

- Optional 1D / 2D Barcode Scanner

I/O 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 4130 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

CONFIGURATION

ARTICLE CODE	CERTIFICATION	FRONT CAM	REAR CAM	CPU	SSD / GB	RAM / GB	WWAN/GPS	SCANNER
AS032014	DZ2	✓	✓	i5	128 GB	4 GB	-	-
AS032015	DZ2	✓	✓	i5	128 GB	4 GB	EU GPS/LTE	-
AS032016	DZ2	✓	✓	i5	256 GB	8 GB	EU GPS/LTE	✓
AS032017	DZ2	✓	✓	i5	256 GB	8 GB	-	-
AS032018	DZ2	✓	✓	i5	128 GB	4 GB	US GPS/LTE	-
AS032019	DZ2	✓	✓	i5	256 GB	8 GB	US GPS/LTE	✓

ACCESSORIES

BP P01 HC (Spare battery 7800 mAh) 	BP P01 SC (Spare battery 4130 mAh) 	DC P01 HC (Battery Charger for BP P01 HC) 	DC P01 SC (Battery Charger for BP P01 SC) 
HA P01 A01 (X-Strap) 	CH P01 A01 (Shoulder-Strap) 	CA P01 A01 (Hand-Strap) 	LC P01 A01 (Leather case) 
VH P01 A01 (Vehicle Dock with Car Adapter) 	DS P01 A01 (Office Dock) 		

EMEA

Germany (Headquarters) ¹

ecom instruments GmbH
Industriestraße 2
97959 Assamstadt
Phone +49 62 94 42 24-0
Fax +49 62 94 42 24-100
sales@ecom-ex.com
¹ also covering Austria

ecom Benelux ²

ecom instruments BV
Watertoren 45c
3247 CL Dirksland, Netherlands
Phone +31 1 87 60 59 16
Fax +31 1 87 60 33 47
info.nl@ecom-ex.com
² also covering Belgium and Luxembourg

France ³

ecom Nied sarl
4 Rue Ettore Bugatti
67201 Eckbolsheim
Phone +33 3 88 76 46 84
Fax +33 3 88 76 02 85
info.fr@ecom-ex.com
³ also covering Algeria, Egypt, Morocco

Italy

ecom instruments srl
Via Gandhi, 15 Galleria
20017 Rho (MI)
Phone +39 02 93 90 92 16
Fax +39 02 93 90 62 97
info.it@ecom-ex.com

Switzerland

ecom instruments GmbH
Merkurstraße 2
6210 Sursee
Phone +41 4 19 21 60 00
Fax +41 4 19 22 00 08
info.ch@ecom-ex.com

Nordics

ecom instruments GmbH
Postbox 304
2970 Hørsholm
Denmark
Phone +45 28 252 575
info.nordics@ecom-ex.com

United Kingdom

ecom instruments ltd
A310, The Wilton Centre,
Redcar, TS10 4RF,
United Kingdom
Phone +44 1642 46 54 00
Fax +44 1642 46 54 02
info.uk@ecom-ex.com

Middle East

ecom instruments fze
P.O. Box 8918
Saif-Zone, Sharjah, UAE
Phone +971 6 5 57 34 30
Fax +971 6 5 57 34 31
info.uae@ecom-ex.com
⁴ also covering Tunisia and Libya

Americas

USA

ecom instruments Inc.
1779 Westborough Drive, Suite 102
Katy, Texas 77449
Phone +1 281 496 59 30
Fax +1 281 496 23 21
sales.us@ecom-ex.com

Asia

South East Asia

ecom Instruments (SEA) Pte Ltd
15 Pioneer Turn
P+F GDC Building
Singapore 627577
Tel: +65 6779 9078



Locate your nearest ecom partner on www.ecom-ex.com & www.pepperl-fuchs.com