

ecom

MOBILE SAFETY



THORNE &
DERRICK
INTERNATIONAL

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www.heatingandprocess.com



Pad-Ex 01 Zone 2

WIN TABLET PC

FOR HAZARDOUS AREAS

Pad-Ex



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 latest 4th generation Intel® Core™ i5 / i7 processor. It also provides battery life up to 7 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 nits)
- 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
- 4th Generation Intel® Core™ Processor
- Windows 7 / 8.1 / 10
- 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 WIN DESKTOP PC



11.6" WIDESCREEN DISPLAY WITH SUNLIGHT READABLE SOLUTION

- Sunlight Readable Display (Brightness: 730 nits)
- 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



Desktop Dock

Z2	
ATEX 	II 3G Ex ic IIC T4 Gc IP64 II 3D Ex ic IIIB T135° Dc IP64
IECEX 	Ex ic IIC T4 Gc IP64 Ex ic IIIB T135° Dc IP64
NEC / CEC 	

Pad-Ex

LTE



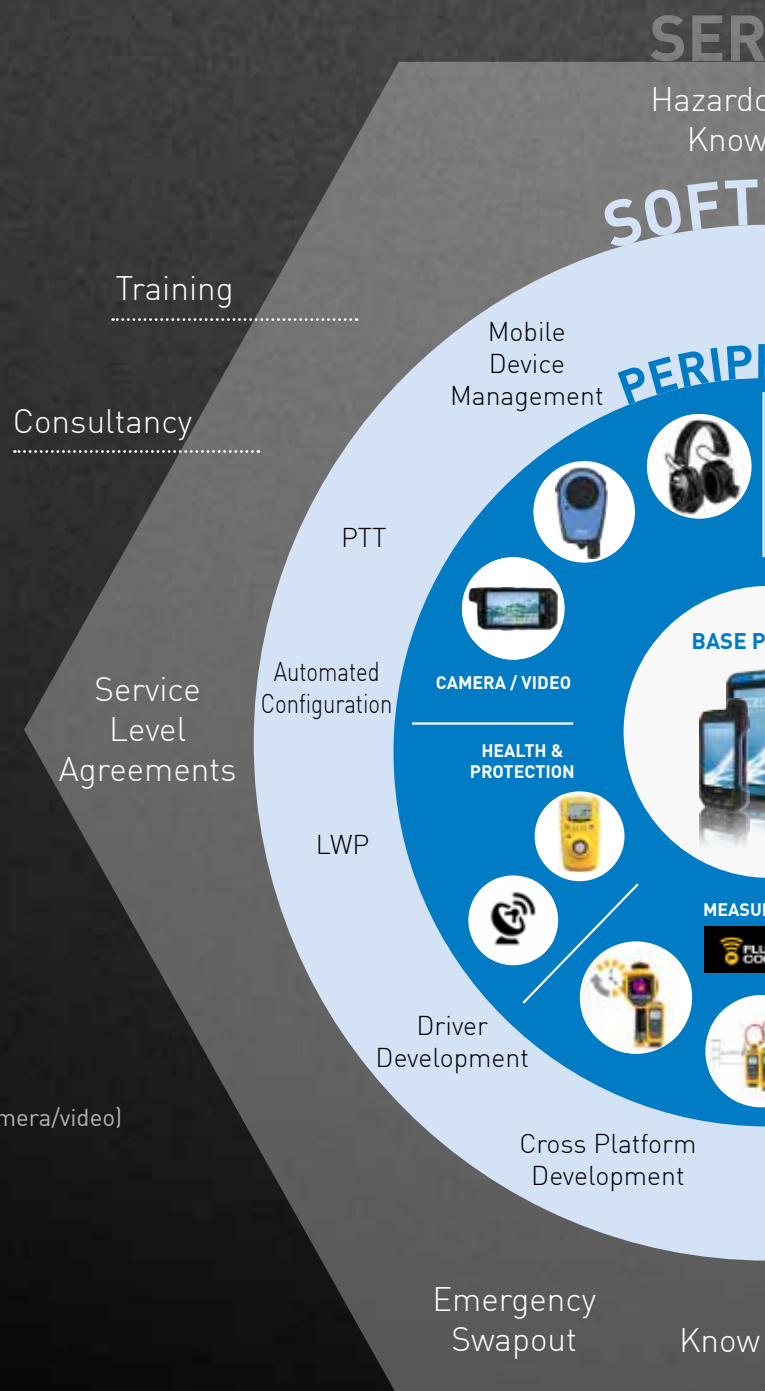
CONNECTIVITY – FAST AND FLEXIBLE

As private 4G /LTE wireless connectivity is increasingly adopted within hazardous areas, Pad-Ex01 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-Ex01 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-Ex01, 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-Ex01 capabilities such as data collection and measuring/monitoring devices, headsets, AutolD, and Bluetooth Beacons for localization.



MOBILE WORKER



ECOM'S MOBILE WORKER CONCEPT



VICE

ous Area
y-How

WARE

HERALS

PRODUCT

REMENT

KE
CONNECT

Operating
System Choice

Development
Assistance

How

Custom
Software Load

Customised
Labelling

Custom
Tools

Kiosk
Mode

Rental/
HaaS

Enhanced
Security



Ensuring and maximizing mobile worker's
efficiency & productivity



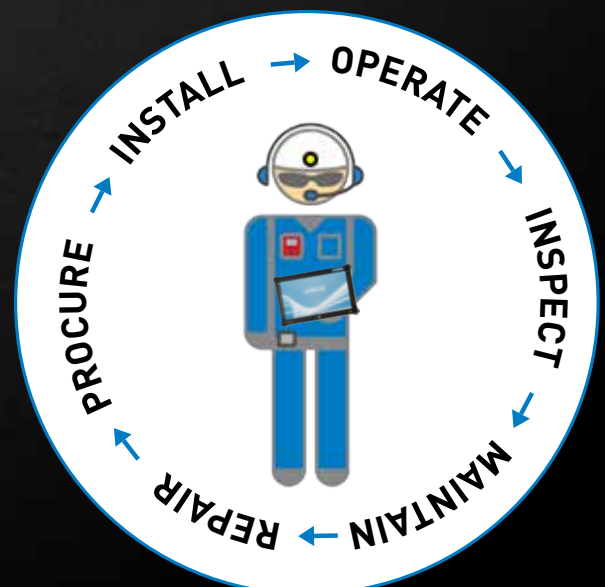
Ensuring accurate data capture and real-time
information and decision making



Minimizing costs



Improve ease of use & customer experience



Pad-Ex



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.

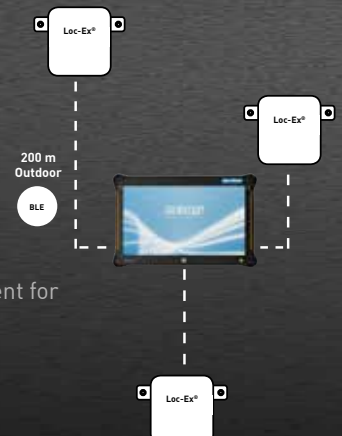
FOR INSIDE AND OUTSIDE THE EX-HAZARDOUS AREA

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®

IDENT-EX® **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®.

IDENT-EX® **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®

- 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

Pad-Ex



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

Full Windows 7 Pro / Windows 8.1 Pro / Windows 10 64 Bit

CPU

Intel Haswell i5 series / i7 (Optional)

Memory

One DDR3L socket for 4GB / 8GB

Storage

M2-SATA SSD 128 / 256GB

Display

- 11.6" HD (1366 x 768) LCD Panel
- Capacitive Multi-Touch
- Optical Bonding Sunlight Readable LCD 730 nits
- Ambient Light Sensor

Sensor

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

Audio

- Speaker x1 / 70dB
- Microphone x1

Camera

- 2MP Front Facing Camera
- 5MP Rear Camera with auto focus and 1500mcd LED flashlight, support Geo Tagging (Optional)

Communication

- 4G LTE (Optional)
- GPS (Optional)
- Intel Wireless AC7260 802.11 a/b/g/n/ac
- Bluetooth 4.0 Class 1

Data Collection

- 1D / 2D Barcode Scanner (Optional)

TECHNICAL DATA

VO 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 SO 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
7800 mAh (Optional)

AC Adaptor

19V, 3.42A; 65W

Dimension

298.5mm x 192mm x 20mm

Weight

1.2 Kg

ACCESSORIES

Desktop Dock



Vehicle Dock



Leather Case



Handstrap





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