Pad-Ex® 01 DZ2

WINDOWS TABLET PC

FOR HAZARDOUS AREAS
Pad-Ex® 01
Certified for hazardous areas

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

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 810G 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.
ENBLING 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

<table>
<thead>
<tr>
<th>DZ2</th>
<th>ATEX</th>
<th>IECEx</th>
<th>NEC / CEC</th>
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Leather Case

Office Dock
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

- GPS/RTLS receiver
- Headlamp
- Noise-cancelling headset
- Personal gas-monitor
- Mobile device (with optional camera/video)
- Health sensor
ECOM’S MOBILE WORKER CONCEPT

- Improve ease of use & customer experience
- Ensuring and maximizing mobile worker’s efficiency & productivity
- Ensuring accurate data capture and real-time information and decision making
- Minimizing costs

**PRODUCT & SERVICE**

- Kiosk Mode
- Enhance Security
- Custom Tools
- Custom Software Load
- Rental/HaaS
- Location & Tracking
- Auto ID
- App Library
- Product & Service Development Assistance
- Hazardous Area Know-How
- Custom Software Load
- Mobile Device Management

**SOFTWARE**

- Driver Development
- Service Base
- Auto ID
- Location & Tracking
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
If data capture is proving a challenge and you need a powerful and professional solution, you should turn to the Ident-Ex® 01.

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.

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

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

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
## 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

### 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 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

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<th>REAR CAM</th>
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ACCESSORIES

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