“It is our knowledge, experience and innovative thinking that makes it possible for us to generate efficiency savings and reduced engineering man-hours for our clients.”

ecom
**PROMINENCE THROUGH ORIGINALITY**

ecom offers “Enterprise Mobility” capabilities for workforces in the Oil & Gas industry, and in the Chemical, PetroChemical, Pharmaceutical, Energy, Environmental and Mining sectors. Recognising that mobile devices alone are not enough for today’s workforce, ecom deliver proven add-ons to meet your needs including wireless headsets, barcode/RFID scanners, measuring instruments, foundation software, and worldwide support and service.

**EXPLORING MOBILITY**

Organizations are realizing the scope of what mobility solutions can really do for their business. Today, the focus is on technologies that reduce cost and improve efficiencies.

Game changing break-throughs in mobile computing and communication technologies are enabling industries to improve workforce productivity, data quality and the speed and accuracy of decision-making.

The Internet of Things (IoT) will gain a strong foothold across the industry, changing how companies utilize labor and allowing for more effective utilization of resources.
IMAGINE…

…if you could share information and communicate with others in real-time.

…if you could capture data and location details about material, equipment, tools and people in real-time.

NOW YOU CAN…

with the ecom **Smart Mobile Worker** ecosystem and our connected portfolio of mobile computers designed for use in harsh, **Zone 1 / DIV 1, and Zone 2 / DIV 2 areas**.

MOBILE WORKER

- GPS/RTLS receiver
- Headlamp
- Noise-cancelling headset
- Personal gas-monitor
- Mobile device (with optional camera/video)
- Health sensor

**SOFTWARE**

- Driver Development
- Mobile Device Management
- App Library
- Kiosk Mode
- Enhanced Security
- Custom Tools

**SERVICE**

- Training
- Consultancy
- Emergency Swapout
- Health & Protection
- Collaboration
- Measurement
- Service Level Agreement
- Collaboration
- Health & Protection
- Measurement
- Collaboration
Improve ease of use & customer experience

Ensuring and maximizing mobile worker`s efficiency & productivity

Ensuring accurate data capture, real-time information & decision making

Minimizing costs

Improve ease of use & customer experience
SMART-EX® 01

SMARTPHONE
SMART-EX® 01 SERIES

Android™ 5.1.1 Operating System / Android™ 4.4

4.0” capacitive multi-touch screen using extreme shock and scratch resistant Gorilla Glass® 2

Glove Touch Screen

WLAN & WWAN (UMTS, HSPA, LTE*) SIM Unlocked & Free

Optional 8 MP rear camera with torch, flash and barcode scanner capability & 1MP front camera

3600 mAh Li-Ion battery pack

Bluetooth® 4.0 and BLE (Bluetooth Low Energy)

High Visibility Display in Direct Sunlight

Certified to ATEX, IECEx and NEC requirements

USB 2.0 connectivity with unique robust magnetic connector

SMART-EX® 01

EX-HANDY 09

FEATUREPHONE
EX-HANDY 09 SERIES

Android™ 4.4 Operating System

2.6” capacitive multi-touch screen using extreme shock and scratch resistant Gorilla Glass® 2

Glove Touch Screen

WLAN & WWAN (UMTS, HSPA, LTE*) SIM Unlocked & Free

8 GB Internal Storage + 4 GB User Memory and 1GB RAM

3600 mAh Li-Ion battery pack

Bluetooth® 4.0 and BLE (Bluetooth Low Energy)

High Visibility Display in Direct Sunlight

Certified to ATEX, IECEx and NEC requirements

USB 2.0 connectivity with unique robust magnetic connector

...find more features on www.ecom-ex.com
TAB-EX® 01 TABLET COMPUTER

**TAB-EX® 01 SERIES**

- **Operating System**: Android™ 5.1.1 Lollipop (4.4.4 KitKat optional)
- **Display**: 8.0” capacitive multi-touch screen using extreme shock and scratch resistant Gorilla Glass® 2
- **Screen**: Glove Touch Screen
- **Network**: WLAN & WWAN (UMTS, HSPA, LTE*)
- **Camera**: Optional 3 MP rear camera with torch, flash and barcode scanner capability & 1.3 MP front camera
- **Battery**: 4450 mAh Li-Ion battery
- **Bluetooth**: Bluetooth® 4.0 Smart Ready: Bluetooth® Classic & Bluetooth® BLE (Bluetooth Low Energy)
- **Display**: High Visibility Display in Direct Sunlight
- **Certification**: Certified to ATEX, IECEEx and NEC requirements
- **Connectivity**: USB 2.0 connectivity with unique robust magnetic connector

**Find more features on www.ecom-ex.com**

I.ROC® CI70 -EX PDA

**I.ROC® CI70 -EX SERIES**

- **Operating System**: Windows Embedded Handheld 6.5.3
- **Display**: 3.5” capacitive touch screen using extreme shock and scratch resistant Gorilla Glass®
- **Screen**: Glove Touch Screen
- **Network**: WLAN & WWAN, 3G UMTS/CDMA
- **Battery**: Battery 3.7 V, 4,000 mAh / IEEE 1725 compliant / Li-Ion / swappable
- **Bluetooth**: Bluetooth® 2.1 EDR
- **Display**: High Visibility Display in Direct Sunlight
- **Certification**: Certified to Inmetro-, TIIS und ATEX / IECEEx / MSHA mining & NEC requirements
- **Connectivity**: IrDA & USB

**Find more features on www.ecom-ex.com**
## SCAN HANDLE
### IDENT-EX® 01

**Bluetooth® Class II, up to 10 meters**

**Bluetooth®**: SPP + HID Mode freely selectable

**Li-Ion rechargeable; 12+ hours;**

**10,000+ scans with one battery charge**

**Offline Batchmode**

**2 MBytes, 2D QR barcodes = 500+,**

**RFID tags [ID only] = 500+**

**Scan Performance**

**RFID = up to 1.5m, Barcode = 15 cm to 15 m**

**RFID: LF, HF, UHF**

**Barcode: 1D Laser, 2D Imager**

**as well as available RFID & 1D Combimodul**

**Configuration tool Windows and Android available**

**Platform independent parameterization**

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## BLE BEACON
### LOC-EX® 01 SERIES

**Compatible with BT Low Energy from version 4.0**

**Range inside buildings up to 30 m, outdoors up to 200m**

**2 x LS14500 (Loc-Ex 01 / Loc 01 HC)**

**2 x AA / LR6 (Loc 01 SC)**

**Lone worker protection**

**Certified to ATEX / IECEx Zone 1/21 & Non-Ex**

**IP64 Stable UV-resistant enclosure**

(can also be used outdoors)

**Parameterization via Smart-Phone APP (OTA) possible**

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...find more features on www.ecom-ex.com
### WINDOWS TABLET PC
**PAD-EX® 01 SERIES**

- Windows 7 / 8.1 / 10 / Pro Operating System, 5th Generation Intel® Core™ Processor
- **11.6” widescreen display** with sunlight readable solution
- Capacitive Multi-Touch Screen
- Support 4G LTE
- Intel Wireless AC7260 802.11 a/b/g/n/ac
- 128/256/512 GB of SSD memory, 4/8/16 GB RAM
- 2 MP Front Facing Camera, 5MP Rear Camera with auto focus and 1500mcd LED flashlight
- Bluetooth® 4.0 Class 1 incl. BLE (Bluetooth® Low Energy)
- Sunlight Readable Display (Brightness: 730 nits)
- Certified to ATEX, IECEx and CSA requirements

...find more features on www.ecom-ex.com

### PORTABLE FLASHLIGHT
**LITE-EX® PL 30e**

- ATEX/IECEx Zone 0/20
- 204 lumens
- approx. 55/42 mm x 220 mm
- Anti-static housing, IP 65
- > 48 hrs [continuous operation]
- Battery 3 x LR 14 [type-tested]
- Ring switch
- Diaphragm valve for pressure compensation

...find more flashlights on www.ecom-ex.com
CUSTOM SOFTWARE LOAD (CSL)

PURPOSE

CUSTOM SOFTWARE LOAD (CSL) is a service by ecom, to pre-load apps or settings (this process is also known as “staging”) to mobile devices during ecom production process and before shipment to customer.

MOBILE DEVICE MANAGEMENT (MDM)

Mobile device management (MDM) is the administrative area, dealing with deploying, securing, monitoring and integrating mobile devices.

The intend is to optimize the functionality and security of mobile devices within the enterprise, while simultaneously protecting the corporate network:

- Enroll, provision, configure and manage devices individually or by a group over-the-air (OTA)
- Restrict users to allowed applications only.
- Monitoring device status for policy compliance
- Containering; a secured area for business apps
- „Silent installation”
- Single-Sign-On (SSO)
- Certificate Management
SUPPORT
Support makes all the difference: Being your partner, we provide professional solutions, not only before the sale, but particularly after the sale and during the daily use of our products. ecom support you every step of the way with professional assistance and customer care worldwide.

SERVICE CONTRACT
By signing up for our service level agreement, we offer you a free servicing and guaranteed turnaround time of five working days at our worldwide ecom Service Centers in Germany, USA, UAE and Singapore.

- Free servicing included in the service contract
- Predictable costs
- Minimal downtime
- Professional solutions with the guarantee you need

Since 2017 ecom is part of the Pepperl+Fuchs Group, a family-owned company counted among the global leading companies in industrial sensors and explosion protection.

EXPLOSION PROTECTION -
The Division Process Automation is world-market leader in the field of explosion protection in hazardous areas by intrinsic safety. Furthermore, the Division offers large varieties of application-oriented system solutions for process industries. The portfolio consists of analog isolation barriers, fieldbus topology systems, remote I/O systems, HART interfaces, level control sensors, purge systems, HMI devices, as well as power supplies and signaling devices.

INDUSTRIAL SENSORS -
With the invention of the industrial inductive proximity sensor in 1958, the company set a milestone in the history of automation technology. The target markets are machine builders, the automotive industry, handling and warehousing systems, pulp + paper, packing machines, doors, gates + elevators, mobile equipment and renewable energies. The Division offers customized sensor solutions such as inductive and photoelectric proximity sensors, ultrasonic sensors, rotary encoders, RFID-systems, data matrix readers, vision sensors and laser devices.
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