

Ident-Ex01 防爆蓝牙扫描枪，1 区

所属分类：防爆仪器仪表 | 所属品牌：ECOM

Ident-Ex01 防爆蓝牙扫描枪，1 区



Ident-Ex® 01 型 1 区防爆扫描手柄（蓝牙防爆扫描枪）

概述：

经过调查多家客户的反馈信息，一线员工反映在便携设备上使用摄像头扫描使操作变得非常不方便，而且扫描速度变慢，效率低下。针对这种情况，ECOM 公司最新开发的扫描手柄外设可以解决扫描效率不高的问题。该设备符合人体工学设计。前端模块为 i.roc Ci 70 型扫描模块，可以支持 1D，2D，RFID 等方式，扫描距离从 15cm~15m 之间（依据不同模块，扫描距离不同。）

该设备支持全新的安卓系统设备，mobile 系统设备，通过蓝牙进行连接。

可以搭配：smart-ex 01/201，Handy 09/209，TAB-EX 01 DZ1/DZ2，i.roc Ci 70，各型号。

用户可选支持扫描条码的模块，也可以选择支持条码和 RFID 的组合型模块。在同一设备中融合 2 种扫描方式。

特征：

- 1、智能蓝牙通信
- 2、待机时间 12 小时以上
- 3、符合人体工学设计，双扫描键
- 4、ia IIC T4 防爆等级
- 5、电量显示功能
- 6、前端模块可更换设计
- 7、可选壁挂式充电槽
- 8、支持 1D，2D，RFID 标签扫描

IDENT-EX 01

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核心功能

- 通过**蓝牙通信**，扩展 i.roc Ci70 型智能 PDA 的前端扫描模块功能，使其可以应用在 Smart-Ex (2)01, Ex-Handy (2)09 和 Tab-Ex 01 全系列设备中，可以方便的在爆炸 1 区和 2 区切换使用。
- 集成了**扫描，成像，读写器**多种功能于一身。
- 基本上涵盖所有的扫描技术，如**一维，二维，射频识别**，该扫描手柄的前端模块防爆等级和电池防爆水平同 i.roc Ci70 保持一致。扫描器的控制电路，技术参数保持一致。
- ECOM 公司是全球首家提供该产品的公司，**IDENT-EX 01 是业内第一款蓝牙无线智能防爆扫描手柄**。
- 由于前端模块同 i.roc Ci 70 型 PDA 的前端模块一致，故此可以集成在现有的设备系统内，方便的接入巡检系统调试和维修。



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优势

- 非常坚固，可以抵御工业环境的操作碰撞。
- 方便的模块集成方式。
- 易用性，符合人体工学。
- 灵活的离线/在线监测功能，扫描头易于更换。
- 减少误操作的按钮设计。
- 低成本，防止遗留标签的替换。
- 12 小时长时间工作依然可以保持最佳稳定性，支持多岗位轮班的密集扫描频率。
- 低故障率。
- 提高全局安全，降低物流成本。



Connectivity via
Bluetooth



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认证



防爆1区、21区

认证可在全球通用

型号	欧盟 ATEX / IECEx ZONE 1/21	北美/加拿大 NEC / CEC CLASS I DIV. I
Ident-Ex 01	Ex ia IIC T4 Gb (IECEx) II 2G Ex ia IIC T4 Gb (ATEX)	Class I Div 1 Groups A,B,C,D T4 (USA and Canada) Class I Zone 1 AEx ia IIC T4 Gb (Zone USA) Class I Zone 1 Ex ia IIC T4 Gb (Zone Canada)
有效期开始	~ 1月 2016	~ 2月 2016



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IDENT-EX 01

模块化设计



- Ident-Ex 01 支持现有 i.roc Ci70 -Ex 前端模块
- 支持的前端模块优先级:
 - 868 MHz UHF RFID R/W 模块
 - 915 MHz UHF RFID R/W 模块
 - 2D 长距离条码扫描器 (Ex25i)

产品投放市场阶段, 首先支持以上模块

4周后将有更多的读写模块支持。



有不同需求的情况下, Ident-Ex 01的前端模块可以通过ECOM提供的商务服务进行替换。

supports
i.roc® Ci70 -Ex
head modules



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按键/LED功能灯和接口



Head Module	Function	Description	Typical applications	Range
1D Laser Barcode Scanner: SN-SE955		Cost-effective solution for all common 1D barcodes even under the most extreme conditions.	<ul style="list-style-type: none"> • Warehouse and logistics • Asset tracking • Product and equipment identification 	10 cm to 90 cm
2D Multi-Range Barcode Imager: EN-EX25		The self-focusing 2D imager lens allows a wide range of applications for both near and far range. Automatic read correction enables barcode scanning even through safety glass.	<ul style="list-style-type: none"> • Warehouse and logistics • Asset tracking • Product and equipment identification 	15 cm to 15 m
LF RFID Reader (Air Coil): NL-TLB30		Rugged 125/134 kHz reader with Air Coil antenna. Well-suited for reading / writing RFID tags even on metal. Water resistant and resistant to electromagnetic fields.	<ul style="list-style-type: none"> • Equipment identification • Asset and inventory management 	up to 10 cm
LF RFID Reader (Ferrite): NF-TLB30		Like NL-TLB30, but with Ferrite antenna. Optimized for reading glass transponders.	<ul style="list-style-type: none"> • Equipment identification • Asset and inventory management 	up to 10 cm
Trovan RFID Reader: NT-LID		Very robust 125 kHz reader using the patented TROVAN-protocol. Unprecedented readability near metals; transponders can be attached to metals, even flush mounted in metals. Resistance to electromagnetic interference.	<ul style="list-style-type: none"> • Access Control • Asset and Inventory Management • Gas cylinder tracking 	up to 10 cm
HF RFID Reader: NH-UNI13		13.56 MHz reader with internationally recognized RFID technology and internationally standard frequency. Supports ISO 15693, ISO 14443 etc. Ideal for applications in which the transponders not only have to be read, but also written.	<ul style="list-style-type: none"> • Physical access control • Product identification 	up to 10 cm
UHF RFID Reader: NE-UNI900 (ETSI) NU-UNI900 (FCC)		Latest high performance RFID technology. Ideal for applications where longer read ranges are required.	<ul style="list-style-type: none"> • Warehouse • Logistics 	1 cm to 80 cm
Single Cap:		Housing cover only. However, head modules can be added at any time.	-	-

COMBINED HEAD MODULES		DESCRIPTION
	SL-SE955-TLB30-AA	LF RFID Reader (Air Coil) 1D Barcode Scanner Combination of 1D Barcode Scanner and 125 / 134 kHz RFID Reader (Air Coil).
	SF-SE955-TLB30-AA	LF RFID Reader (Ferrite) 1D Barcode Scanner Combination of 1D Barcode Scanner and 125 / 134 kHz RFID Reader (Ferrite).
	SH-SE955-UNI13-AA	HF RFID Reader 1D Barcode Scanner Combination of 1D Barcode Scanner and 13,56 MHz RFID Reader (Air Coil).
	ST-SE955-LID-AA	Trovan RFID Reader 1D Barcode Scanner Combination of 1D Barcode Scanner and Trovan RFID Reader.

SOFTWARE SOLUTION	HARDWARE SOLUTION
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**FREE GENERIC
BARCODE SCANNER**



CAMSCAN KEYBOARD
based on Honeywell SMARTbarcode™



**2D MULTI RANGE
BARCODE ENGINE**



**1D LASER
BARCODE ENGINE**

Limited barcode type decoding	Nearly all barcode types readable	Only 1D barcodes
Usually online decoder used <small>(needs to be online to decode scanned data)</small>	Offline decoding <small>(enhances the usage of such scanners in offline scenarios)</small>	
Low frequency range scanning <small>(max. 100 scans per hour)</small>	[100+ scans per hour]	High frequency range scanning <small>(200+ scans per hour)</small>
Software Aimer	Accuracy matches a Hardware scan engine	Hardware Aimer <small>(Laser or illuminated area)</small>
Ability to read damaged or poorly printed barcodes		
Full 360° scanning rotation		
Swift decoder tolerates limited motion blur	High motion tolerance	
Low light environment	Best for low light environment	
Read range max. 50cm	Near to far read range <small>(15cm - 15m)</small>	Read range 70cm

For Tab-Ex® 01, Smart-Ex® 01/201 & Ex-Handy 209



For Iroc® C170 -Ex & Ident-Ex® 01
(Headmodules interchangeable)

