The MultiOne Configurator with *Certified SimpleSet® Interface tooling*

Janssens Linda
LED Electronics
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PHILIPS

Product introduction

Basic blocks

1.

PC with unique MultiOne Software

+

2.

Engineering Sample

Certified for MultiOne

or

Certified for MultiOne

Certified SimpleSet® interface tool

+

3.

or

Philips drivers with SimpleSet® Technology

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Product introduction

Certified interface tools for MultiOne SimpleSet ®

Philips has expertise in configuration of drivers but is no specialist in tooling for scanning in production or development environment
Philips searched for a professional complementary partner for this type of tooling -> FEIG

FEIG has the experience and is a company with worldwide service and supply chain.

Philips created the driving software for two tools , tested this for the portfolio of SimpleSet ® drivers, and made them certified for MultiOne SimpleSet ®

Ordering of these tools must be done via FEIG.
Philips will arrange a few samples (in case of emergency) via the heat quarters.

We will keep in 2015, the *LCN9600 MultiOne SimpleSet® interface* available (as engineering sample) for customers (first testing) or internal purpose (demo).

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Product introduction

Certified SimpleSet® Interfaces of FEIF

Professional complementary partner for this type of tooling -> **FEIG**

- 2 tools of FEIG are released for the portfolio of SimpleSet® drivers

  -> **certified for MultiOne SimpleSet®**

Certified SimpleSet® Interface tool	Philips 12 nc = FEIG code	Philips name = Feig name	Remark
	9290 009 99400	LCN 9610 MultiOne interface SimpleSet®	Tool based on the standard tool of FEIG ref **ID ISC.PRH101-USB HF** specific adjusted for Philips
	9290 009 99500	LCN9620 MultiOne interface SimpleSet®	Tool based on the standard tool of FEIG ref **ID CPR30-USB HF** specific adjusted for Philips

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3. Specifications

3.1. LCN9600 MultiOne SimpleSet® interface

- Philips product : LCN9600 MultiOne SimpleSet® interface
- Status : engineering sample
- Website link : www.Philips.com/MultiOne

- Available documentation on website
  - User manual
  - Getting started manual
  - Quick installation guide

- Supplied with a fixed USB cable from the Philips headquarter
- Individual packed
- Contact local sales representative for sample

- This product is only used for testing and will be in the status of engineering sample

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3. Specifications

3.2. LCN 9610 MultiOne SimpleSet®interface

- FEIG product : LCN 9610 MultiOne SimpleSet®interface
- Code: 9290 009 99400

Based on existing product but aligned with Philips MultiOne

- Available documentation @FEIG:
  - Installation manual
  - System manual
  - datasheet
  - Packing info

- Supplied with a fixed USB cable.
- Order quantity starting from 1 pcs (individual packed)
- Small quantities (<10 pcs) : delivery time < 4 wks
- Contact local sales representative of this partner for pricing
- Warranty is 12 months (FEIG statistic <0.02 % failure during warranty)

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3. Specifications

3.2. LCN 9610 MultiOne SimpleSet®interface *(ID ISC.PRH101-USB HF)*

OBID®
Welcome to RFID

OBID i-scan® HF

HF Handheld Reader
ID ISC.PRH101-A / PRH102-B / PRH101-USB

FEATURES

- Variable interfaces (RS232, USB, Bluetooth)
- Anti-collision function
- Multi-tag reader for ISO15693 and ISO18000-3
- 2 operation modes: FEIG ISO Host Mode & Scan Mode

SHORT DESCRIPTION

The handheld readers ID ISC.PRH101/102 are designed for contactless data exchange with common ISO 15693 transponders. They can be used for those applications, read ranges up to 13cm* (PRH102-B) resp. up to 20cm* (PRH101-A/-USB) are required.

Due to different interfaces the handheld readers can be integrated in existing systems easily. So they are suitable for several applications in retail, logistics and industry.

The anti-collision function allows the handheld readers identification of up to 30 transponders simultaneously. With a switchable voltage on the antenna line a LED located in the antenna can be operated.

For programming host applications on mobile devices FEIG offers DLLs for different systems like Pocket PC, CE3.0, CE.NET, Windows-, Linux- and Java systems.

*Read range depends on the transponder size. Here made statements relate to an inlet size of 76 x 45 mm

TECHNICAL DATA

Dimensions (W x H x D)	230 mm x 100 mm x 80 mm
Weight	320 g (without batteries)
Housing	Plastic ABS
Protection class	IP 30
Color	RAL 9002 / RAL 7044
Operating frequency	13.56 MHz
Transmitting power	0.5 W ± 2 dB
Supply voltage	
- ID ISC.PRH101-A	5V DC +/- 0,2V regulated
- ID ISC.PRH102-B	4 Mignon cells 1,2-1,5V AA
- ID ISC.PRH101-USB	USB High Powered Interface
Current consumption	maximum 0.5 A
Power consumption	maximum 2.5 VA
Antenna	integrated
Interfaces	
- ID ISC.PRH101-A	RS232
- ID ISC.PRH102-B	Bluetooth (Serial port profile)
- ID ISC.PRH101-USB	USB (12 Mbit)
Address setting for interface	
- ID ISC.PRH101-A	Software (up to 254 addresses)
- ID ISC.PRH102-B	Bluetooth MAC address
- ID ISC.PRH101-USB	Device-ID of the reader
Signal generator, optical	1 LED (multicolored)
Signal generator, acoustic	buzzer
Supported transponders	ISO 15693 (ISO 18000-3 MODE 1)*
Protocol modes	ISO Host Mode, Scan Mode
Temperature range	
Operation	0 °C up to 50 °C
Storage	–20 °C up to 70 °C
Relative humidity	5…95 % (not condensing)

* e.g. EM HF ISO Chips, Fujitsu HF ISO Chips, IDS Sensor Chips, Infineon my-d, KSW Sensor Chips, NXP I-Code, STM ISO Chips, TI Tag-it

ORDER DESCRIPTIONS

ID ISC.PRH101-A	HF Handheld Reader; RS232 (with 2.5 m interface cable)
ID ISC.PRH102-B	HF Handheld Reader; Bluetooth
ID ISC.PRH101-USB	HF Handheld Reader; USB 2.0 (with 2.5 m USB cable)
ID NET.5V-B	5V power supply for ID ISC.PRH101-A
ID CHA.NiMH-A	Battery Charger for ID ISC.PRH102-B

STANDARD CONFORMITY

Radio licence	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
Canada	IC RSS-GEN, RSS-210
EMC	EN 301 489
Safety	
Low Voltage	EN 60950
Human Exposure	EN 50364
Vibration	EN 60068-2-6 10…150 Hz: 0,075 mm / 1 g
Shock	EN 60068-2-27 acceleration: 30 g

FEIG ELECTRONIC reserves the right to change specification without notice at any time. State of information: June 2012.

FEIG ELECTRONIC

FEIG ELECTRONIC GmbH · Lange Straße 4 · D-35781 Weilburg
Tel.: +49 6471 3109-0 · Fax: -99 · E-Mail: OBID@feig.de · www.feig.de

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3. Specifications

3.3. LCN9620 MultiOne SimpleSet®interface

FEIG product : LCN9620 MultiOne interface SimpleSet®
Code: 9290 009 99500
Based on existing product but aligned with Philips MultiOne

Available documentation @FEIG:

- Installation manual
- System manual
- datasheet
- Packing info

- A USB cable is part of the shipment
- Order quantity starting from 1 pcs (individual packed)
- Small quantities (<10 pcs) : delivery time < 4 wks
- Contact local sales representative of this partner for pricing
- Warranty is 12 months (FEIG statistic <0.02 % failure during warranty)

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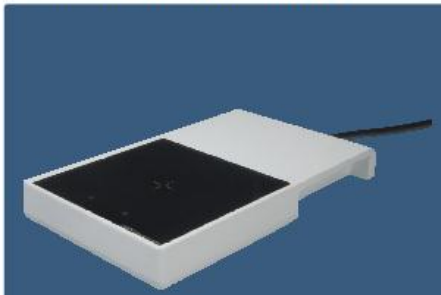
3. Specifications

3.3. LCN9620 MultiOne SimpleSet®interface **(ID CPR30-USB HF)**

OBID®
Welcome to RFID

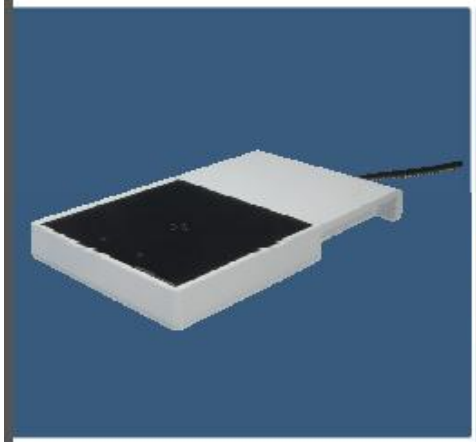
OBID® classic-pro

Desktop Reader
ID CPR30-USB (13.56 MHz)



FEATURES

- Desktop Reader to be used in offices or at the POS
- Multi-tag Reader
- ISO 15693 & ISO 14443-A/-B
- Supports NFC Applications
- PC/SC driver
- Optional: 2 SAM sockets (ID000 format)



TECHNICAL DATA

Dimensions (W x H x D)	144 mm x 84 mm x 18 mm
Housing	Plastic (ABA) / acrylic glass
Colour	white / black
Weight	about 105 g
Enclosure rating	IP 42
Operating frequency	13.56 MHz
Transmitting power	100 mW
Power supply	5 V, USB Bus powered
Power consumption	max. 150 mA
Supported transponders	ISO 15693, ISO 14443-A*/** ISO 14443-B**
Operation mode	Polling-Mode
Antenna	integrated
Interface	USB Full Speed (12 MBit/s)
Indicators, optical	2 LED (green / orange)
Indicators, acoustic	Buzzer, integrated
Temperature range	
Operation	–20 °C up to 60 °C
Storage	–40 °C up to 85 °C
Relative humidity	95 % (non-condensing)

* mifare® classic (only UID), mifare® UltraLight, NFC: Type 2 and Type 4 in Read/Write and NFC Card Emulation Mode
** ISO14443-4 fully supported

SHORT DESCRIPTION

Order description **ID CPR30-USB**

ID CPR30-USB is designed as a desktop device for contactless data exchange with common ISO 15693 and ISO 14443-A/-B compliant transponders.

Power supply and data exchange with a computer or other equipment is carried out via the USB interface.

Optionally, the reader is available with 2 SAM sockets.

Delivery:
- Desktop Reader ID CPR30-USB
- USB cable (A – Mini B plug)
- Mounting instruction
- Access data for download area

PC/SC driver and OBID® USB driver:
- Windows® 2000 SP4
- Windows® Server 2003
- Windows® XP SP2
- Windows® Vista 32/64 Bit
- Windows® 7 32/64 Bit

STANDARD CONFORMITY

Radio license	
Europe	EN 300 330
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human Exposure	EN 50364
Environment	WEEE – 2002/96/EC RoHS – 2002/95/EC

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Stand of information: March 2011.

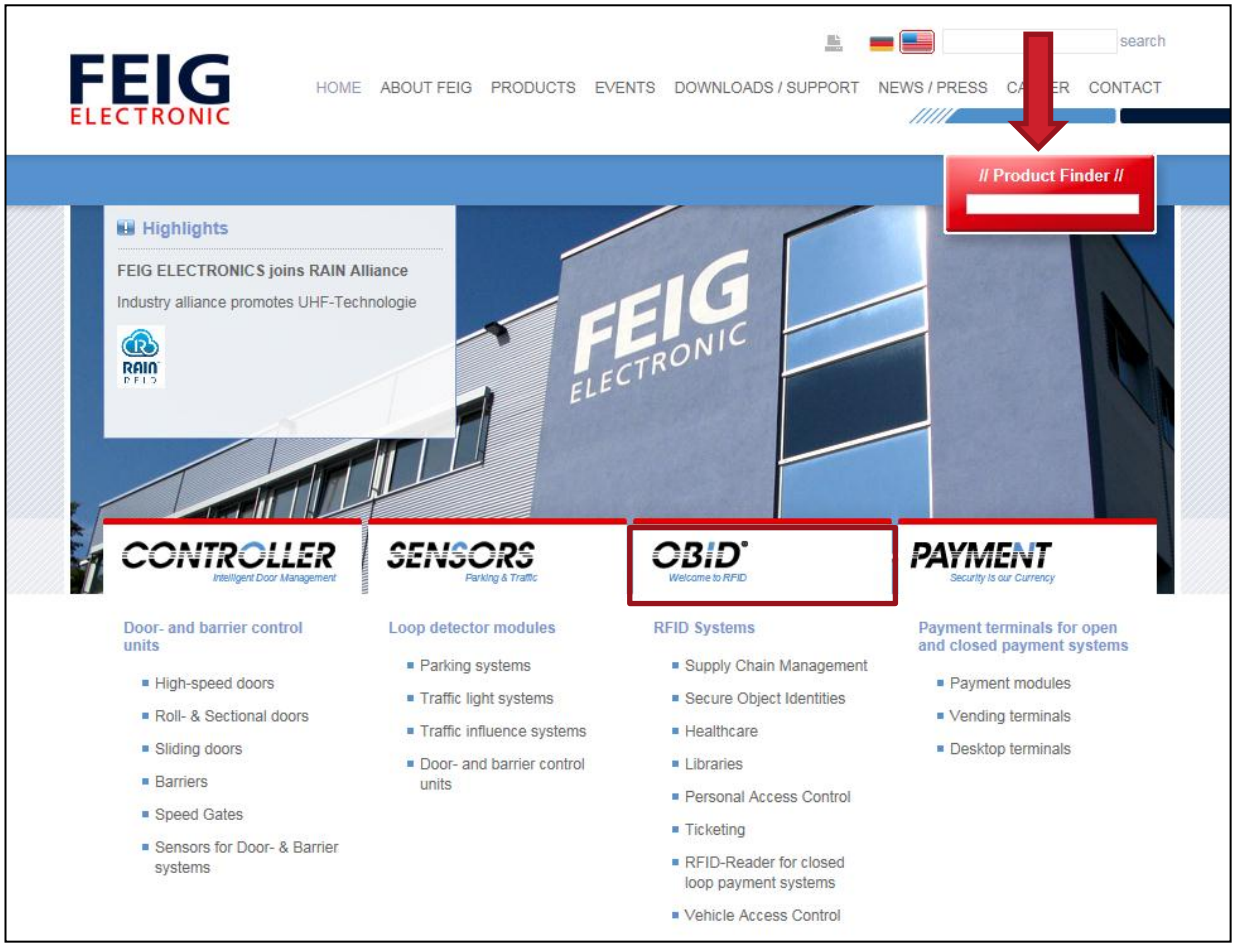
FEIG ELECTRONIC

FEIG ELECTRONIC GmbH · Lange Straße 4 · D-35781 Weilburg
Tel.: +49 6471 3109-0 · Fax: -99 · E-Mail: OBID@feig.de · www.feig.de

4. Complementary partner

FEIG

http://www.feig.de/en/home.html



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4. Complementary partner

FEIG

http://www.feig.de/en/home.html

-Ordering direct at FEIG

-Contact person : kschoeke@feig-electronics.com / Sales@feig.us

-Central order location @ US, Development @ Germany

- **Phone: Tel: +1 770-491-8060**
- **Direct number: 273**

FEIG ELECTRONICS

FEIG-ELECTRONICS, Inc.
2220 Northmont Parkway
Suite 250
Duluth, GA 30096
Tel: (770) 491-8060
Fax: (678)-417-6273
www.feig-electronics.com

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