



LED Price Displays

Visualise
your identity



Bever Innovations **history**

- 1996** Bever Innovations was founded in 1996 as a technical design and advise company.
- 1996** Maintenance contracts for electronic price signs.
- 1997** Development P-line Series, communication system (over power line) between the POS system and price display.
- 1999** Bever Innovations commissioned a big rollerblind suply project from Total and started with an installation team in the Benelux countries.
- 2005** After many years of selling rollerblind display and later on also LED price displays, Bever decided in 2005 to make its own display system. First client was Esso Norway using Red '7-segment displays'.
- 2006** Introduction Multi Segment LED price display.
- 2007** Shell approved Bever Innovations to become preferred supplier for their LED price displays.
- 2009** Major oil companies signed up with Bever Innovation to use the LED price displays
 - Q8 North and West Europe
 - Chevron Texaco BeNeLux
- 2010** BP Europe contract.
- 2013** Total Global contract.





Visualise your identity



Are you looking for the perfect LED price display for your price sign, without compromising your unique brand identity? The I-Catcher LED price displays make sure the pricing of your products is displayed clearly and complements your corporate branding perfectly. The Bever Innovations' I-Catcher displays are installed all over the world, in the most extreme weather conditions. Bever Innovations ground breaking LED design and production techniques are the result of many years experience in the field with major oil companies.

We ensure:

1 Unique flexibility

We value your branding! Therefore our displays complement your identity in a perfect way. No compromises are necessary.

2 High reliability

These LED products are built using the latest techniques and the most reliable LEDs to ensure their excellent quality. These displays are suitable for tropical, arctic and temperate climates and will give a long life span with low maintenance in these conditions.

3 Maximum readability

A wide oval viewing angle ensures the best readability even in the worst weather conditions day or night with our self adapting control techniques.



Every font is possible

The I-Catcher LED displays give each price sign a perfect finishing touch. I-Catcher displays are used in more than 54 countries around the world. On thousands of forecourts around the world, companies like Shell, BP, Total rely on the quality of Bever's I-Catcher displays.

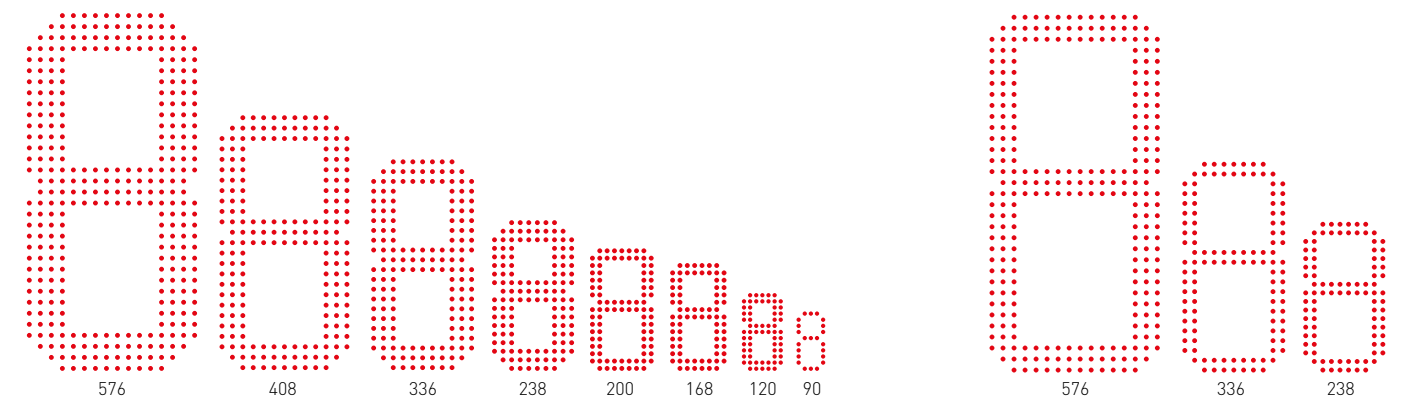
There are multiple fonts and colors available, making sure your corporate house style is represented correctly in your price sign.

- 7-segment LED price display
- Multi-segment LED price display
- Full graphic LED price display

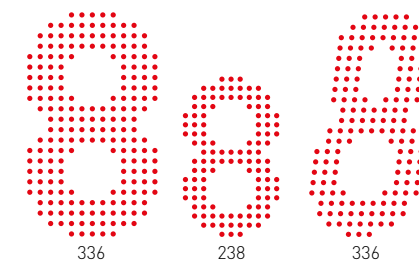
Available colours:

- Red
- Yellow
- Green
- White

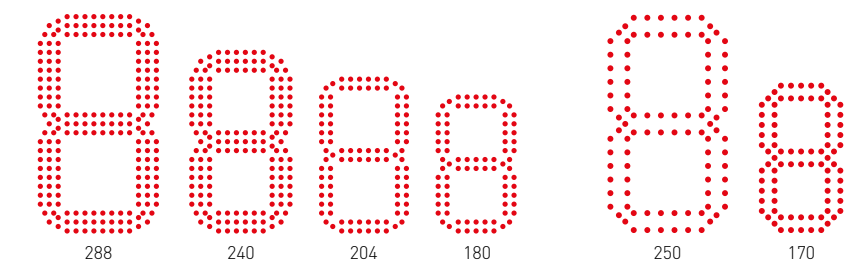
Multi-segment



Full graphic



7-segment





7-segment LED Display

The I-Catcher 7-segment LED Displays offer an excellent performance for a competitive price level. They are designed to operate in the worst weather conditions.

A 7-segment display is produced with high quality LED's and holds the DIPS* intelligence that makes this display unique in its class.

Key Features

- Economy line display
- Various sizes available
- High readability in direct sunlight
- Uses most advanced Hybrid LED technology
- Automatic brightness control
- Climate control for long lifespan
- Intelligent dimming
- Simple, reliable and easy installation
- Suitable for new and existing signs
- Many protocols supported e.g. Koppens, LON, V11, Dresser, Ein



Multi-segment LED Display

The I-Catcher Multi-segment LED Displays are high performance displays which give you more freedom to create a display that matches your branded house style. Produced with the highest standard in LED's, ensuring the best readability in direct sunlight, this intelligent LED display will outperform all others in the market.

Key Features

- Multiple fonts possible in one standard display
- Various sizes available
- Uses most advanced Hybrid LED technology
- High readability in direct sunlight
- Automatic brightness control
- Climate control for long lifespan
- Intelligent dimming
- Simple, reliable and easy installation
- Suitable for new and existing signs
- Many protocols supported e.g. Koppens, LON, V11, Dresser, Ein





Full graphic LED Display

The I-Catcher Full graphic LED price display gives you maximum flexibility when it comes to your unique corporate identity by varying color, font shapes and sizes. By using our state of the art I-Catcher LED price display you will get the perfect touch for your customer's first impression. Follow the large oil companies and adopt this vision!

Key Features

- Free Form Font (multiple fonts possible)
- Various sizes available
- High readability in direct sunlight
- Uses most advanced Hybrid LED technology
- Automatic brightness control
- Climate control for long lifespan
- Intelligent dimming
- Simple, reliable and easy installation
- Suitable for new and existing signs
- Many protocols supported e.g. Koppens, LON, V11, Dresser, Ein

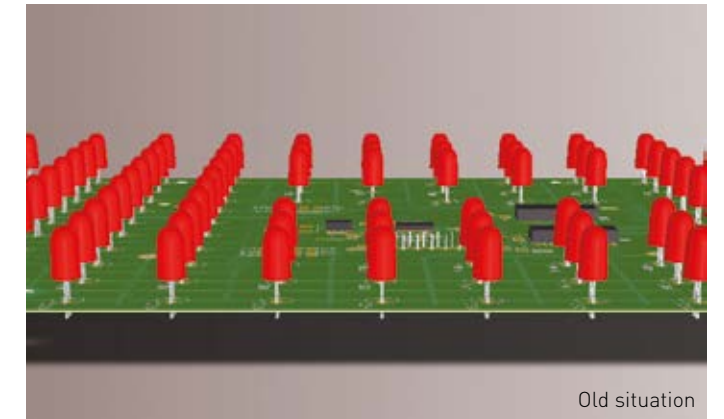


Unique flexibility

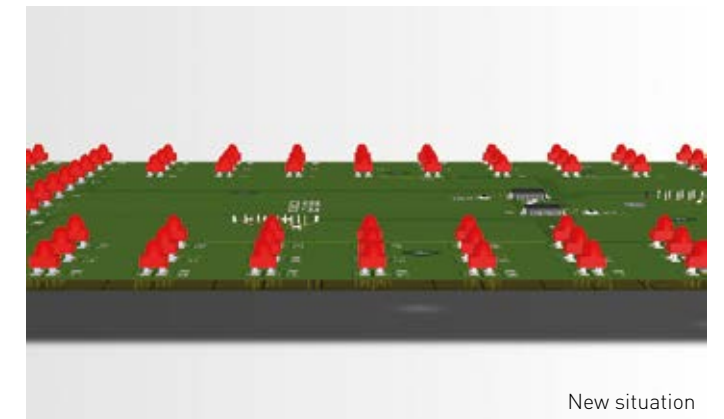
Free Form Font

Strengthen your on-site branding with the I-Catcher Full graphic LED display. Make no concessions with your corporate identity! The various options in font shape, color, and size will create a display complementing your house style perfectly.





Old situation



New situation

NEW! Hybrid technology

Bever Innovations I-Catcher price displays are built with the newest Hybrid technology. This is a combination of two proven LED technologies (HMT and SMD) in one ultimate LED display solution in terms of reliability, power efficiency and readability.

The I-Catcher displays have the advantages of SMD technology (automatic and steady perpendicular placement), and the advantages of through hole technology (HMT) like oval viewing angle (more efficient) and better readability in direct sunlight.

Challenge the outdoors

Using technical equipment outdoors faces many design challenges.

- Water & dirt ingress
- Condensation and temperature differences
- Sunlight: heat, reflection and contrast

Extreme weather conditions will influence your technical equipment. Bever Innovations have the know-how to create innovative LED price displays that will overcome your challenges.



Display **Intelligent Protection System**

1 Automatic brightness control

The LED display automatically adjusts its brightness to the amount of sunlight. In that way you will always have maximum readability of the LED Price Display.

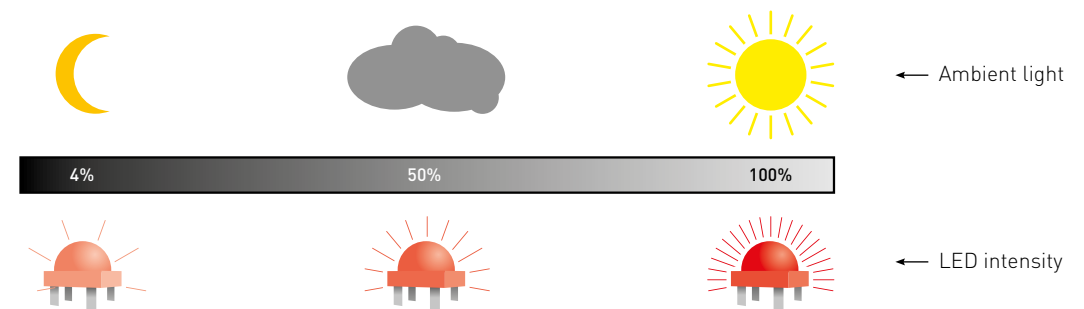
2 Climate control

When the temperature in the display gets too high e.g. heated by sunlight, the active overheating protection (AOP) kicks in. The fan will startup to cool the LEDs.

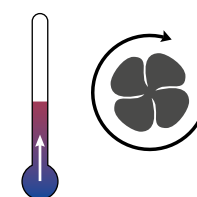
3 Intelligent dimming

Only in extreme conditions the LEDs will turn off to protect themselves. When the temperature has settled to an acceptable level the display will restart.

1 AUTOMATIC BRIGHTNESS CONTROL

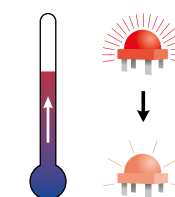


2 CLIMATE CONTROL

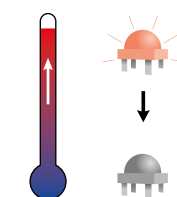


3 INTELLIGENT DIMMING

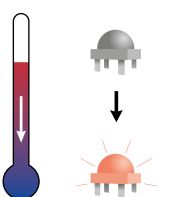
① LED intensity decreases



② LEDs turn off



③ LEDs turn on



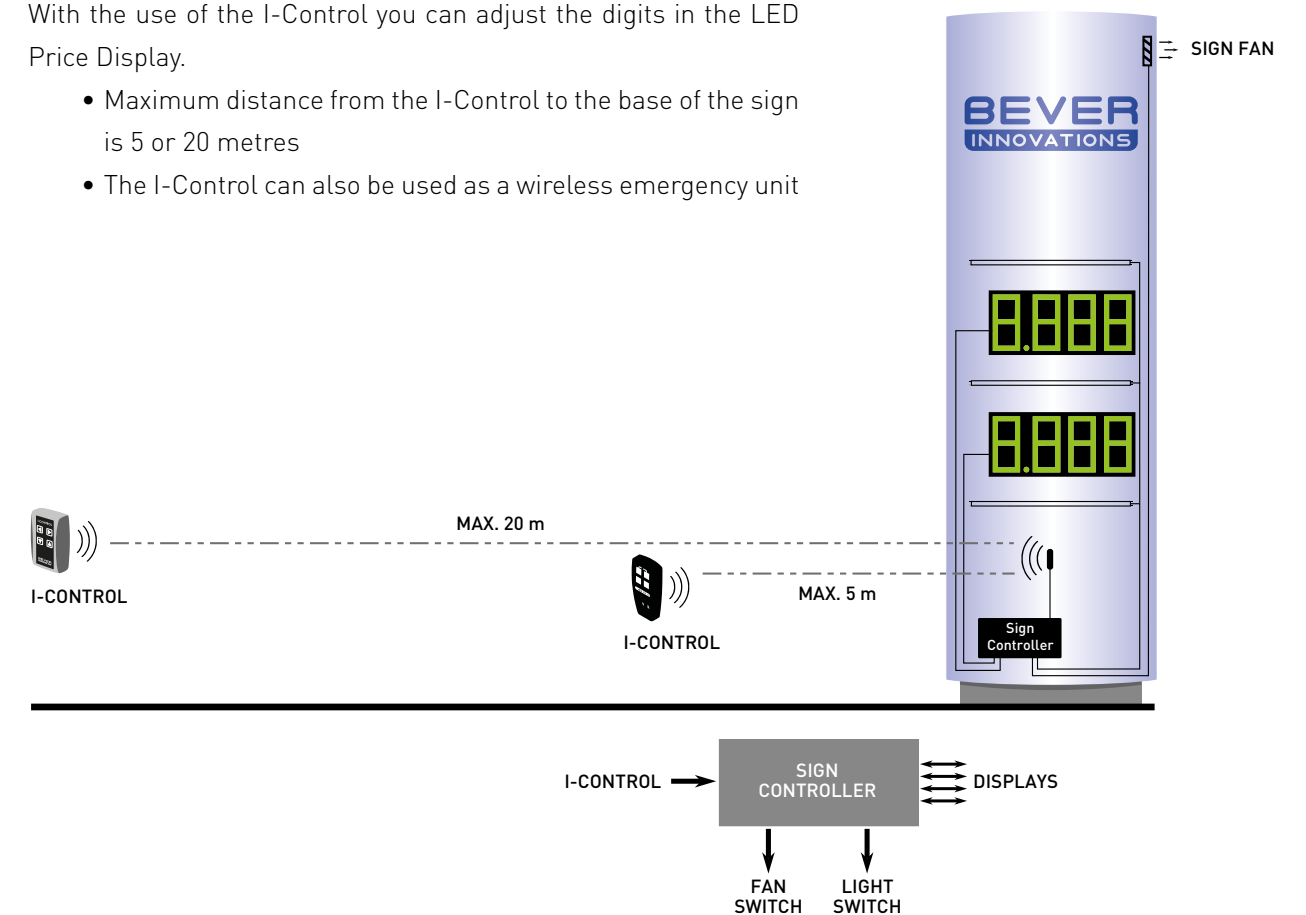


System and control options

Example 1: manual control

With the use of the I-Control you can adjust the digits in the LED Price Display.

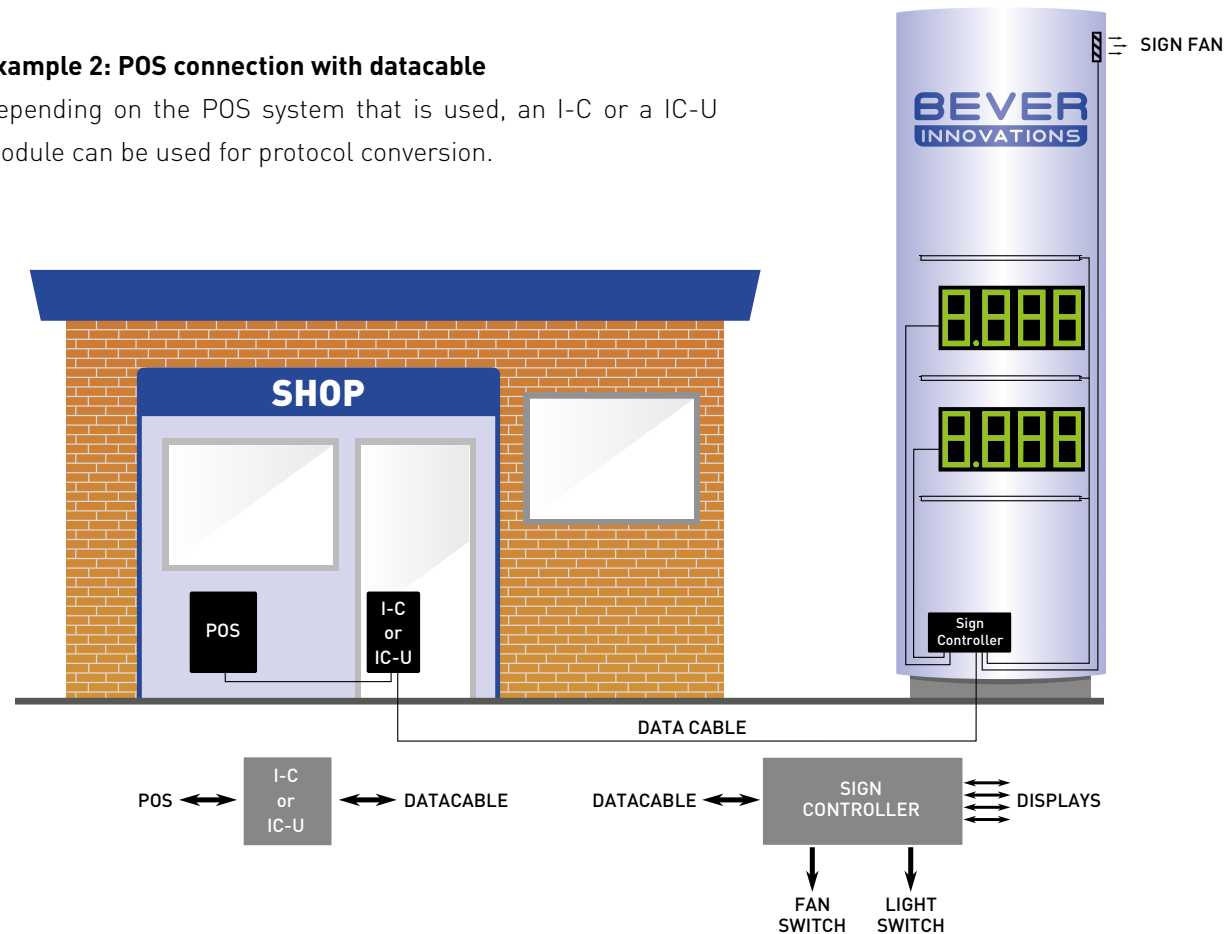
- Maximum distance from the I-Control to the base of the sign is 5 or 20 metres
- The I-Control can also be used as a wireless emergency unit





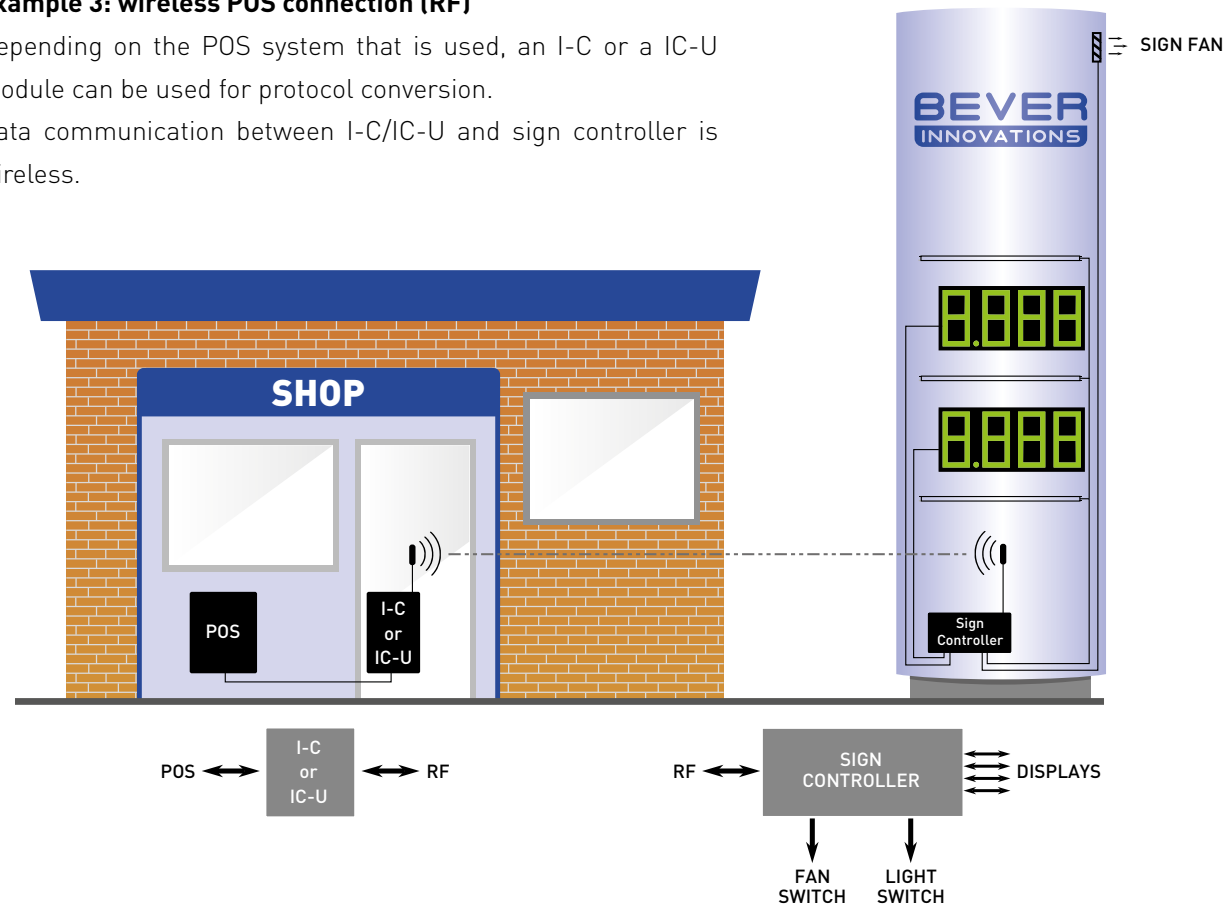
Example 2: POS connection with datacable

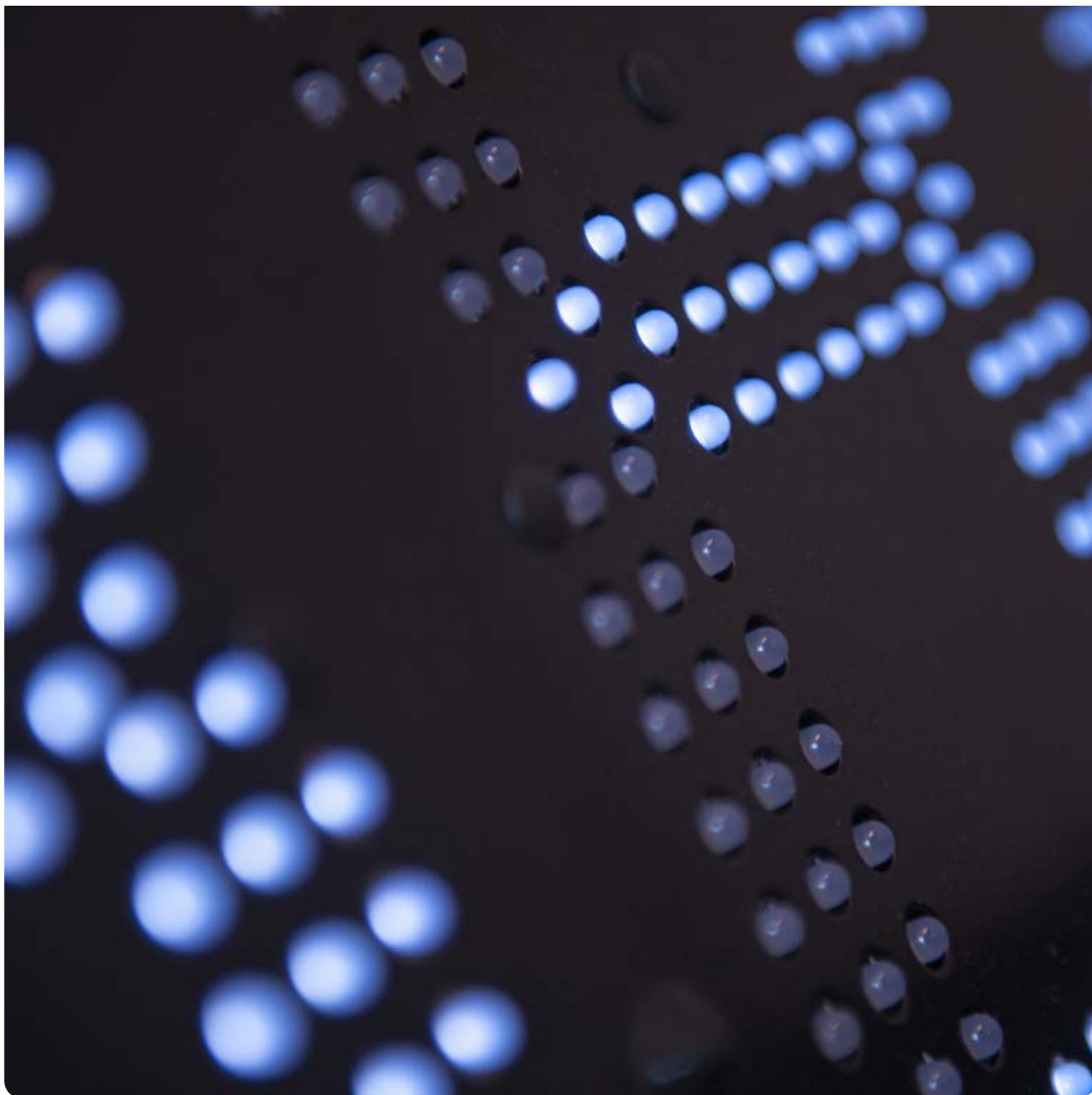
Depending on the POS system that is used, an I-C or a IC-U module can be used for protocol conversion.



Example 3: wireless POS connection (RF)

Depending on the POS system that is used, an I-C or a IC-U module can be used for protocol conversion.
Data communication between I-C/IC-U and sign controller is wireless.





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