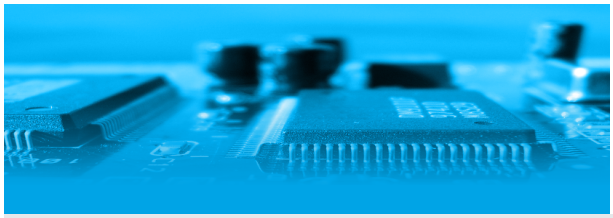
CONTROL ACCESS READERS

13,56 MHZ PROXIMITY READERS

PRODUCT DATASHEET

HR READERS RANGE



Highlights

CYBERSECURED CUBE ARCHITECTURE

The HR readers are "Transparent" readers (no security key stored in the reader).
Connected to the TIL modules via an RS485 link using the SSCPV2 protocol, they use the same protection mechanisms recommended by ANSSI as the rest of the main MICROSESAME CUBE range.

SOLIDITY AND RELIABILITY

The robust design of HR readers, in reinforced polycarbonate (IK10), is ideal for installation in industrial or logistics environments.
The XS version, resin-coated with a molded cable outlet , has an IP67 rating and can be used outdoors in the harshest climates.

OPERATING COMFORT

Good RFID reading performance and high-visibility ambient lighting make passageways smoother and optimize the user experience.

REINFORCED CONTROL

For access to more sensitive areas, the keypad version allows dual badge + code identification, for a higher level of control.

Mains features

- The KB version, with keypad, accepts the “dual-mode” badge or code function. E.g.: badge for staff, code for visitors.
- Anti-tear by infrared sensor and life signal, transmitted via TIL Modules.
- 7-color adjustable LED mood lighting.
- Low average power consumption, from 60 to 115 mA depending on model.

Simplicity & High Security

HR range readers can simultaneously read Mifare® family identifiers: Mifare Classic and DESFire (EV1/EV2/EV3).

Versatile, they can be adapted to your security strategy, from the simple transmissionof the UID number of your identifiers, to the secure reading of data stored in the badge's protected zone.

This great adaptability makes it easy to support extensions, technological migrations or changes in security levels on your sites.

HR readers are integrated into a highly secure MICROSESAME CUBE architecture, following the same cyber protection mechanisms recommended by ANSSI as other CUBE generation readers.

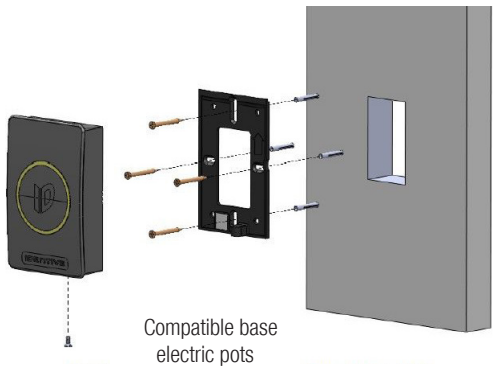
HR readers are integrated into a highly secure MICROSESAME CUBE architecture, following the same cyber protection mechanisms recommended by ANSSI as other CUBE generation readers.

13,56 MHZ READERS		
EVOLUTION RANGE	HR RANGE	SIGNO RANGE

HR RANGE READERS

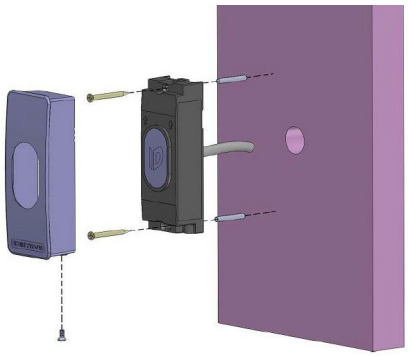
Mounting and modularity

- ST and KB models (Terminal blocks) :



Compatible base electric pots 60 and 62 mm

- XS Model (Molded cable) :



References

SSCPV2 HR Transparent Readers

- LEC05HR5000-NL5 : HR reader XS (narrow) - MIFARE DESFIRE EV1/ EV2/EV3 (UID / Secure applications), Black, RS485, Cable output.
- LEC05HR5200-NB5 : HR ST (large) MIFARE reader - DESFIRE EV1/ EV2/EV3 (UID / Secure applications), Black, RS485, Terminal block output.
- LEC05HR5240-NB5 : HR KB reader (with keypad) - MIFARE DESFIRE EV1/EV2/EV3 (UID / Secure applications), Black, RS485, Terminal block output.

Non contractual information subject to modification without notice.

Detailed characteristics

- Power supply : 6 to 16 VDC
- Average consumption at 13.6V :
  - » XS Reader : From 65 to 95 mA (Peaks at 100 mA)
  - » ST Reader : From 60 to 75 mA (Peaks at 90 mA)
  - » KB Reader : From 85 to 115 mA (Peaks at 120 mA)
- Transmission frequency : 13.56 MHz - ISO14443 A, ISO15693, ISO18092 (NFC)
- Communication interface : RS485 protocole SSCP V2
- Connections :
  - » XS Reader : 38 CM Cable
  - » ST and KB Readers : Plug-in terminal block
- Connection distance : 300m maximum between module and reader
- Protections :
  - » Infrared sensor detects pull-out
  - » Life signal
- Dimensions :
  - » XS Reader : 117 x 43 x 28 mm
  - » ST and KB Readers : 117 x 78 x 28 mm
- Mounting : Wall-mounted or on electric pots with 60 and 62 mm centres (except narrow drive). On any type of support, including metal, without spacer
- Reading distance : Between 2.5 cm and 5 cm depending on badge technology and shape of reader (maximum distance with ISO badges)
- Customizable signals :
  - » RGB LEDs: 7 colors available
  - » Built-in, controllable buzzer
- Materials : Polycarbonate, UL 94
- Shock resistance : IK10
- Waterproof and dustproof :
  - » XS Reader : IP67 (molded cable)
  - » ST and KB Readers : IP65 (excluding connectors)
- Operating temperature : - 35° C to + 66° C
- Operating humidity : From 5% to 95%
- Weight :
  - » XS Reader : 0,142 kg
  - » ST Reader : 0,21 kg
  - » KB Reader : 0,31 kg
- Standards and certifications : FCC, UL 294, CE, IC, RCM, RoHS2, REACH, UKCA, GSA APL

Sales contact : sales@til-technologies.com
www.til-technologies.com

TIL TECHNOLOGIES
ELECTRONIC **SECURITY SYSTEMS**