

READERS

# V-Ultra readers



13.56 MHz Proximity Readers

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# V-Ultra



**VAUBAN**  
BY HIRSCH

## PRODUCT BENEFITS

### Durability & Peace of Mind

The robust design of the V-Ultra readers, made of reinforced polycarbonate (IK10), makes them ideal for installation in industrial or logistics environments.

The Slim version, potted with molded cable output, is rated IP67 and ensures outdoor use in the most demanding climates.

### User Comfort

Strong RFID reading performance and high-visibility ambient lighting ensure smooth passage and enhance the user experience.

### Enhanced Access Control

For access to more sensitive areas, the version with keypad allows dual authentication (badge + code), providing a higher level of security.



## SIMPLICITÉ & HAUTE SÉCURITÉ

V-Ultra readers can simultaneously read identifiers from the Mifare® family: Mifare Classic, DESFire (EV1/EV2/EV3), V-BADGE, and V-FOB.

Versatile, they adapt to your security strategy, from simple UID number retrieval to secure reading of data stored in the protected zone of V-BADGE / V-FOB.

This high adaptability facilitates easy upgrades, technology migrations, or changes in security levels on your sites.

The range comes in three finishes:

- Large
- With keypad (KP)
- Slim version for doorframe mounting, especially suitable for outdoor or harsh environments (water, dust).

## MAIN FEATURES

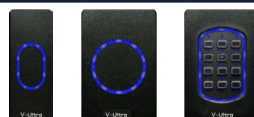
- The KP version, with keypad, supports «dual-mode» function: badge or code. Example: badge for staff, code for visitors.
- Low average power consumption, from 60 to 115 mA depending on model.

## 13.56 MHZ READERS

### V-READER RANGE



### V-ULTRA RANGE

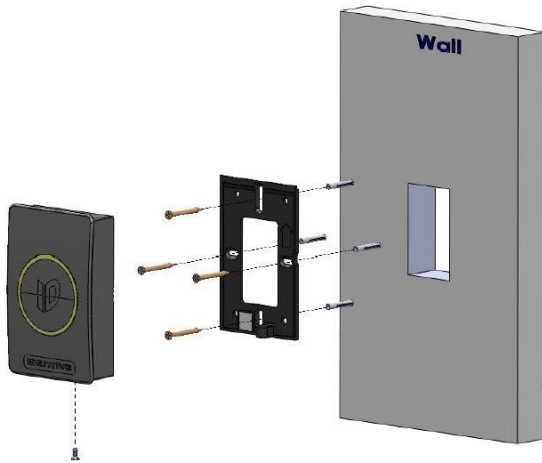


### SIGNO RANGE



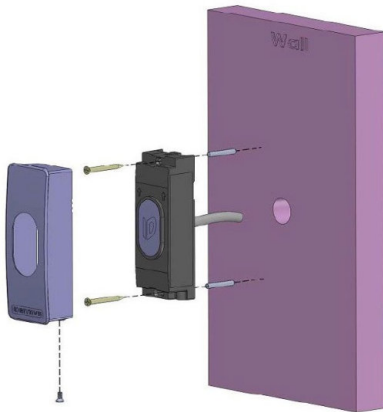
## INSTALLATION & MODULARITY

- Large and KP models (terminal block):



Base compatible with 60 and 62 mm electrical boxes

- Slim model (molded cable):



## REFERENCES

Wiegand readers

- **V-ULTRA SLIM** : Slim reader, cable output. MIFARE DESFIRE EV1/EV2/EV3 (UID / reading of Vauban secure application on V-BADGE / V-FOB), Black, Wiegand.
- **V-ULTRA LARGE** : Large reader, terminal block output. MIFARE DESFIRE EV1/EV2/EV3 (UID / reading of Vauban secure application on V-BADGE / V-FOB), Black, Wiegand.
- **V-ULTRA KP** : Reader with keypad, terminal block output. MIFARE DESFIRE EV1/EV2/EV3 (UID / reading of Vauban secure application on V-BADGE / V-FOB), Black, Wiegand.

## DETAILED FEATURES

- **Power supply**: 6 to 16 VDC
- **Average consumption at 13.6V**:
  - » Slim reader: 65 to 90 mA (peaks at 100 mA)
  - » Large reader: 60 to 75 mA (peaks at 90 mA)
  - » KP reader: 85 to 115 mA (peaks at 120 mA)
- **Transmission frequency**: 13.56 MHz - ISO14443 A, ISO15693, ISO18092 (NFC)
- **Communication interface**: Wiegand
- **Connection**:
  - » Slim Reader: Cable
  - » Large & KP Readers: Detachable terminal block
- **Wiring distance**: Max 100 m between Verso+ / Vext4+ module and reader
- **Dimensions**:
  - » Slim Reader: 117 x 43 x 28 mm
  - » Large & KP Readers: 117 x 78 x 28 mm
- **Mounting**: Wall surface or on electrical boxes (60 and 62 mm spacing, except Slim). Suitable for all types of surfaces, including metal, without spacer.
- **Reading distance**: Between 2.5 cm and 5 cm depending on badge type and reader shape (maximum distance with ISO badges)
- **Materials**: Black polycarbonate, UL 94
- **Shock resistance**: IK10
- **Water & dust protection**:
  - » Slim Reader: IP67 (molded cable)
  - » Large & KP Readers: IP65 (excluding connector)
- **Operating temperature**: -35°C to +66°C
- **Operating humidity**: 5% to 95%
- **Weight**:
  - » Slim Reader: 0.142 kg
  - » Large Reader: 0.21 kg
  - » KP Reader: 0.31 kg
- **Standards & Certifications**: FCC, UL 294, CE, IC, RCM, RoHS2, REACH, UKCA, GSA APL