pcs. The terminal people®

pcs
Systemtechnik GmbH

Access readers

INTUS Reader

+ Sleekly designed RFID readers
+ Integrated RFID antenna
+ Variable reader assignment for easy installation (EasyAddressMode)
+ Encrypted data transmission to Access Control Manager
+ For all standard reading methods:
  Hitag, Mifare, iCLASS/HID, Legic, EM4002/EM4102, fingerprint etc.
+ Customized to your corporate design (optional)

Access control

RFID readers for contactless identification

Integrated with switch product ranges

INTUS 300, INTUS 400 and INTUS 600 are sleekly designed compact RFID readers for access control, parking systems and any other user identification application that can be imagined.

A serial interface connects the readers to an INTUS Access Control Manager or INTUS terminal.

Heightened security requirements are met through data encryption and/or through an optional PIN code keyboard to prevent access card abuse.

Encrypted data transmission between the reader and Access Control Manager reliably prevents unauthorized eavesdropping on the lines.
For sophisticated architectural solutions, the INTUS 400 series readers can be integrated with more than 30 different switch product ranges from leading manufacturers such as Busch-Jaeger, Berker, Jung, Gira, Merten, Kopp, Popp and Peha. On request, they are also available in customized corporate designs.

INTUS Reader

INTUS

INTUS access readers are offered with the standard reading methods Mifare (Classic, DESFire EV1), Legic (prime, advant), Hitag and EM4002/EM4102.

Digital inputs/outputs are exclusively provided via external I/O modules for security reasons (optional).

From magnetic stripe to fingerprint.

For daily application, the range of access readers use is various, starting with magnetic – and chip cards to biometric readers (fingerprint or palm vein authentication).
You will find just the right access reader for your application within the INTUS reader family – whether mounted outdoor in stormy weather (IP65) or inside in switches or built-in in a Siedle pedestal.

Features of the INTUS readers:

- Sleek design
- Multicolor LED signaling
- RS485 interface
- CE conformity
- Flush-mountable/surface-mountable housing (INTUS 300/600) or integration with switch product ranges using a standard intermediate frame (INTUS 400)

Technical Data

INTUS Reader

	INTUS 300ro	INTUS 640H	INTUS 400	INTUS 600	INTUS 400 Siedle
Technology	EM 4002/4102	Hitag	Mifare (Classic, DESFire EV1), Legic (prime, advant)		
Transmission rate	125 kHz	125 kHz	13.56 MHz	13.56 MHz	13.56 MHz
Biometrics	–	–	–	Fingerprint	–
Protocol	300ro	LBus or 340H	LBus	LBus	LBus
Encrypted data transmission	–	■	■	■	■
Flush/surface mounting	■ / □	■ / □	□ / –	■ / □	■ / □
Integration with switch product ranges	–	–	■	–	–
PIN code keyboard	–	–	–	□	–
LED signaling	3 LEDs (R/G/Y)	1 tricolor-LED (R/G/B)	3 LEDs (R/G/B)	3 LEDs (R/G/B)	2 LEDs (B/R/G)
Buzzer	■	■	■	■	■
Tamper contact	–	–	■	■	–
Digital inputs/outputs		2DI/ 1DO	External module	External module	External module
Degree of protection	IP54 [1]	IP54	IP40 [2]	IP54 [1], IP65 [4]	IP54 [3]
Power consumption	max. 3 W	max. 3 W	max. 3 W	max. 3 W	max. 6 W
Voltage supply	12V DC	12…24V DC	12…24V DC	12…24V DC	12…24V DC
Dimensions (HxWxD) in mm	81 x 81 x 21	84 x 84 x 22	50 x 50 x 10	85 x 85 x 11	100 x 100 x 10

■ **Standard** □ **optional**

[1] mounted on a smooth surface

[2] combined with the corresponding frames and faceplates from switch manufacturers

[3] only front

[4] in special housing

Reader

ac

Reader

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PCS is a member of the BHE Bundesverband der Hersteller- und Errichterfirmen von Sicherheitssystemen eV. (German Federal Association of the Manufacturing and Installation Companies of Security Systems).

Technical details subject to change without notice.

INTUS terminals include software developed by the Open SSL project for use in the OpenSSL Toolkit (http:/www.openssl.org) and cryptographic software written by Eric Young (eay@cryptosoft.com).

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