PCS. The horminal people. ®

pcs

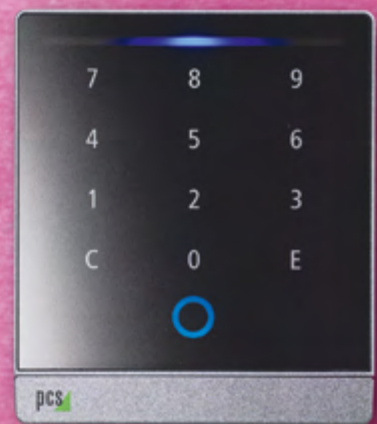**Access control**

INTUS reader

+ Sleekly designed RFID readers
+ Variable reader assignment for easy installation (EasyAddressMode)
+ Encrypted data transfer to the access control manager
+ For all standard reading methods: Mifare, Legic, Hitag, EM4002/4102 etc.
+ Customized to your corporate design (optional)

Biometric readers

RFID readers for contactless identification

Integrated with switch product ranges

PCS protects business.

PCS Systemtechnik GmbH is a leading German manufacturer of systems for time and attendance recording, access control, security and production data collection (PDC). Over the past four decades, PCS has developed and produced terminals and readers „Made in Germany". More than 240.000 installed devices are in use all over the world. Our products stand for quality and a long service life.

PCS will assist you in implementing enterprisewide security systems from access control to video management to recommending a suitable turnstile. Enterprise access control is classically based on RFID access readers.

INTUS

From readers to biometric palm vein authentication.

From near to far.

Access readers use a variety of technologies from magnetic cards to specialized RFID methods and biometrics. They can be integrated in Siedle pedestals, mounted in IP65 housings for outdoor use regardless of wind and weather conditions, or installed in standard wall boxes. This allows you to select the best reader for your specific requirements from the INTUS family.

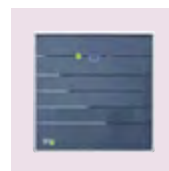## For each project the fitting reader.

Compact housing, well structured security concept, outstanding design:

That's how the INTUS access reader family is characterized. 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 unauthorised audio monitoring of cable.

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 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).

	INTUS 315ro	INTUS 400/420
Technology	EM 4002/4102	
Transmission rate	125 kHz	13,56 MHz / 125 kHz
Biometrics	–	–
Galv. seperated RS485 [1]	–	– / ■
Protocol	300ro	LBus
Encrypted data transmission	–	■
Flush/surface mounting	■ / □	□ / –
Integration with switch product ranges	–	■
PIN code keyboard	–	–
LED signalling	3 LEDs (R, G, B)	3 LEDs (R, G, B)
Buzzer	■	■
Tamper contact	–	■
Digital inputs/outputs	–	External module
Degree of protection	IP54[2]	IP40[3]
Power consumption	2W	max. 2,5W
Voltage supply (SELV, L.P.S.)	12 … 24V DC	12 … 24V DC
Dimensions (H x W x D) in mm	84 x 84 x 11	50 x 50 x 12

[1] for cable length up to 1,200 m   [2] mounted on a smooth surface

Longrange
RFID
Fingerprint
Palm vein

Technical Data

INTUS reader.

INTUS 400 Siedle/ Ritto Portier	INTUS 500IP/ 520IP	INTUS 600/620	INTUS 700	INTUS 700 Touch	INTUS 600FP	INTUS 1600PS	XT-Mini
Mifare (Classic, DESFire EV1), Legic (prime, advant), Hitag			Multi ISO (Legic SM4200M) Legic & Mifare emulation		Verification with Mifare, Legic	Verification with Mifare, Legic	UHF transponder (EPC Gen 2)
13,56 MHz/125 kHz	13,56 MHz/125 kHz	13,56 MHz/125 kHz	13,56 MHz	13,56 MHz	13,56 MHz	13,56 MHz	865,6 - 867,6 MHz
–	–	–	–	–	Fingerprint	Palm vein	–
–	– / ■	– / ■	–	–	–	–	■
LBus	LBus	LBus	LBus	LBus	LBus	LBus, Wiegand, Ethernet	LBus
■	■	■	■	■	■	–	–
■ / □	– / ■	■ / □	■ / □	■ / □	– / ■	– / ■	– / ■
□	–	–	–	–	–	–	–
□	□	□	–	■	■	■	–
3 LEDs (R, G, Y)	3 LEDs (R, G, B)	3 LEDs (R, G, B)	3 LEDs (R, G, B)	3 LEDs (R, G, B)	3 LEDs (R, G, B)	MagicEye (RGB-LEDs)	–
■	■	■	■	■	■	■	–
–	■	■	■	■	■	■	–
External module	External module	External module	External module	Externes Modul	External module	2DI/2DO	–
IP54[4]	IP65	IP54[2]	IP54[2]	IP54[2]	IP30 (IP54)	IP30 (IP54)	IP66
max. 2.5W	max. 2.5W	max. 2.5W	2.5W	2.5W	max. 5W	max. 5W	max. 12W
12 … 24V DC	12 … 24V DC	12 … 24V DC	12 … 24V DC	12 … 24V DC	10 … 24V DC	5 V DC via INTUS PS Controller	12 … 24V DC
100 x 100 x 10	90 x 120 x 50	84 x 84 x 11	88 x 99 x 27	88 x 99 x 27	185 x 94 x 45 (61)	300 x 140 x 71	XT-1 300x300x60 XT-Mini 261x152x55

[3] combined with the corresponding frames and faceplates from switch manufacturers   [4] only front   ■ standard   □ as an option

Biometrics – access control with finger or palm scanning.

Biometric access control has an unbeatable advantage: Users can't forget their finger or hand, or „lend" them to anyone. PCS offers biometric access readers with fingerprint or palm vein authentication.

We recommend fingerprint readers for convenience applications such as the speedy unlocking of doors without having to use a key, for example in a doctor's office. INTUS palm vein authentication is perfect for high-security areas including airports, nuclear power stations, research departments or executive suites. Combined with a second identifying feature such as a card or PIN code, INTUS PS palm vein authentication meets the highest security standards such as those required by data centers. Here, security literally lies in the palm of your hand.

Biometrics
Desk reader
Longrange

Reader

Desk readers for point of use card scanning.

PCS desk readers can be employed whenever you want to open a cash register or gain access to a PC by scanning a card directly at the point of use. PCS offers desk readers in a variety of sizes and colors. The devices scan RFID cards and can be connected via an RS232 interface or USB port. Using the card for access puts you on the safe side.

Vehicle access control at a distance.

INTUS access readers use RFID to protect a company's building. But what about the parking lots?

Over greater distances, long-range readers take care of access control for both persons and vehicles. Transponders are read from up to five meters away, active transponders even from more then ten meters. This even works from a driving car using a hands-free system. That's truly convenient vehicle access.

Access control both indoors and outdoors, networked and offline.

We at PCS know that criminal energy will not stop at a company's perimeter gates. Therefore, our product range includes access readers that can be installed outdoors and under special ambient conditions: with weatherproof and splash-proof housings, heating for outdoor use, on the shopfloor, at a fire door, wherever you need access control. Networked or offline. Galvanically isolated for particularly long connecting leads. Ask us. We'll find the right reader for your location.

Powerful access control with INTUS access readers.

INTUS access readers are a key element of an enterprise-wide security system that will grow with the requirements. Intelligent access control software means that INTUS access readers are much more than just a substitute for a key as they manage demanding tasks.

Some examples:

_ **Two-person access control**,
if the four-eyes principle is required.

_ **Duration of stay monitoring**,
if there may be danger to life and limb in a room.

_ **Door open time monitoring,**
to keep all doors closed.

_ **Dual occupancy control and anti-passback**,
to make sure that each card is used by one person only.

_ **Attendance check,**
should an evacuation be necessary.

_ **Access area and time zone restrictions,**
for clear access rules in the enterprise.
Intelligent access control for every requirement.

CE compliant

Technical specifications subject to change without notice.

made in germany

BHE

500_2016.10_INTUSLeser_B_en