interflex
UPGRADES YOUR WORK

Hardware for Access Control and Time Recording

Product Catalog

For a simple and secure working life

Nowadays, companies are faced with a multitude of complex challenges: Dynamic market conditions, new statutory regulations, shortage of skilled workers and new work time models. However, digital and physical espionage, sabotage and theft challenge companies. All of this makes the working world more complex. Companies must react to it flexibly and quickly. Internet offers the corresponding solutions.

Simplify the day-to-day work of your employees and protect your company assets at the same time with our adaptable hardware and software. We offer solutions for access control, visitor management, time recording for SAP and time management as well as workforce management. A single source solution: either on-premise or in the cloud - depending on the orientation of your IT strategy.

Scalable and managed centrally
The solutions of Interflex are scalable to match your company's requirements and are compatible across product generations. For example, Interflex offers hardware that can be upgraded from offline to online solutions. Accordingly, it can be used over a longer time period. To act sustainably in this manner is one of our goals.

As a result, the Interflex headquarters in Stuttgart and its development and production site in Durchhausen have been certified in accordance with ISO 14001 since June 2022.

In addition, our solutions are modularly extendable and can be centrally controlled via our IF-6040 software system. For you this means more investment security and time savings, e.g., in facility management or in the HR department. And this will free up space for your employees' actual tasks, increases productivity and simplifies work processes. SMB, big corporation, government agencies or critical infrastructure facilities (CRITIS) – regardless of which, we offer the matching solutions for your different requirements and sectors.

For every area
the right solution

Access Control

With an access control system you secure your company physically and control access.

Visitor management

Visitor management gives customers an impression of your company and lessens the workload of your employees.

Time recording for SAP

The recording of your employees' work times forms the basis for workforce management.

Time Management

Time management includes the evaluation and further processing of time data and is indispensable for workforce management.

Personnel Scheduling

With personnel scheduling you optimize deployment and success in your company.

Contents

Flexible solutions – all from a single source

Access control

Visitor management

Own hardware

Own software

ON-PREMISE

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MANAGED SERVICES

Own service

Time registration and time accounting

Workforce management

We offer solutions that are matched to your IT strategy – for access control, workforce management, time management, time recording and workforce management. Either on-premise or as managed services in the cloud.

Our portfolio includes our own hardware and software as well as our own service. All from one single source, allowing you to react quickly and flexibly as needed.

We are here for you
if you need us

Our experts gladly help you regarding all your questions relating to your Interflex solutions. We support you with our Surprise Service – from the project planning phase and implementation to operation and maintenance.

The same as with our hardware and software, you will receive our fee-based services all from one source. We will find the most optimal solution for you together with you. This will allow you to simplify your business processes, increase the security of your employees and customers and optimize the efficiency of your company.

1.

Consultation and analysis
Be it conceptual design, inventory assessment or security analysis – we are here for you, both personally and virtually. Are you planning new locations, a move or the optimization of locations? Then utilize our expertise for your planning security.

2.

Commissioning
During the project, we will gladly take care of project management, installation and commissioning of all Interflex products and solutions. We will train your technical personnel to ensure that a quicker and safer start is possible. Comprehensible documentation and an operating concept are your starting capital.
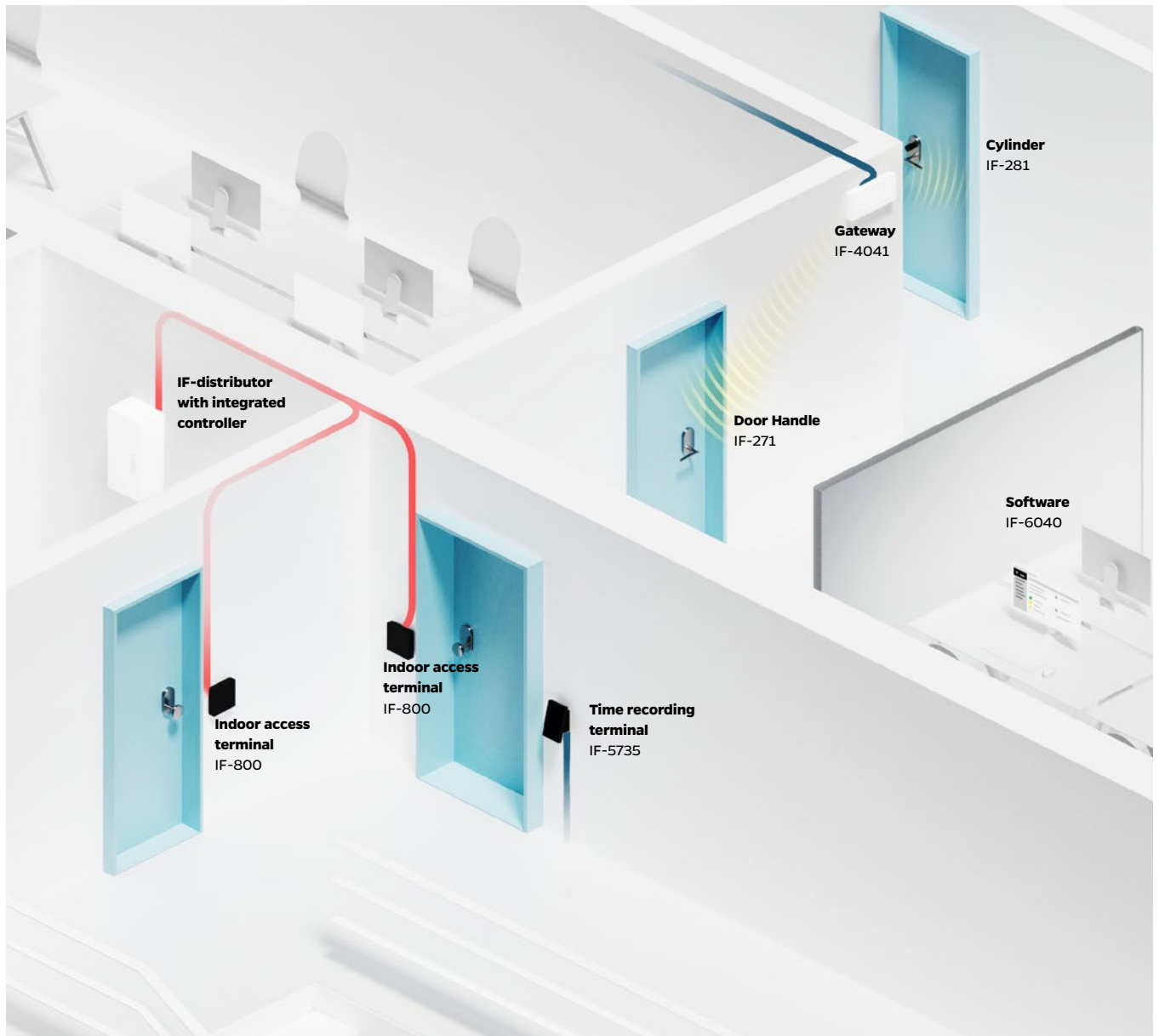
3.

Operation
Smooth operation and high availability of our solutions are essential to you. You can obtain spare parts for the hardware and regular automatic updates for your systems from us. In addition, we support you with professional service analyses and maintenance services.

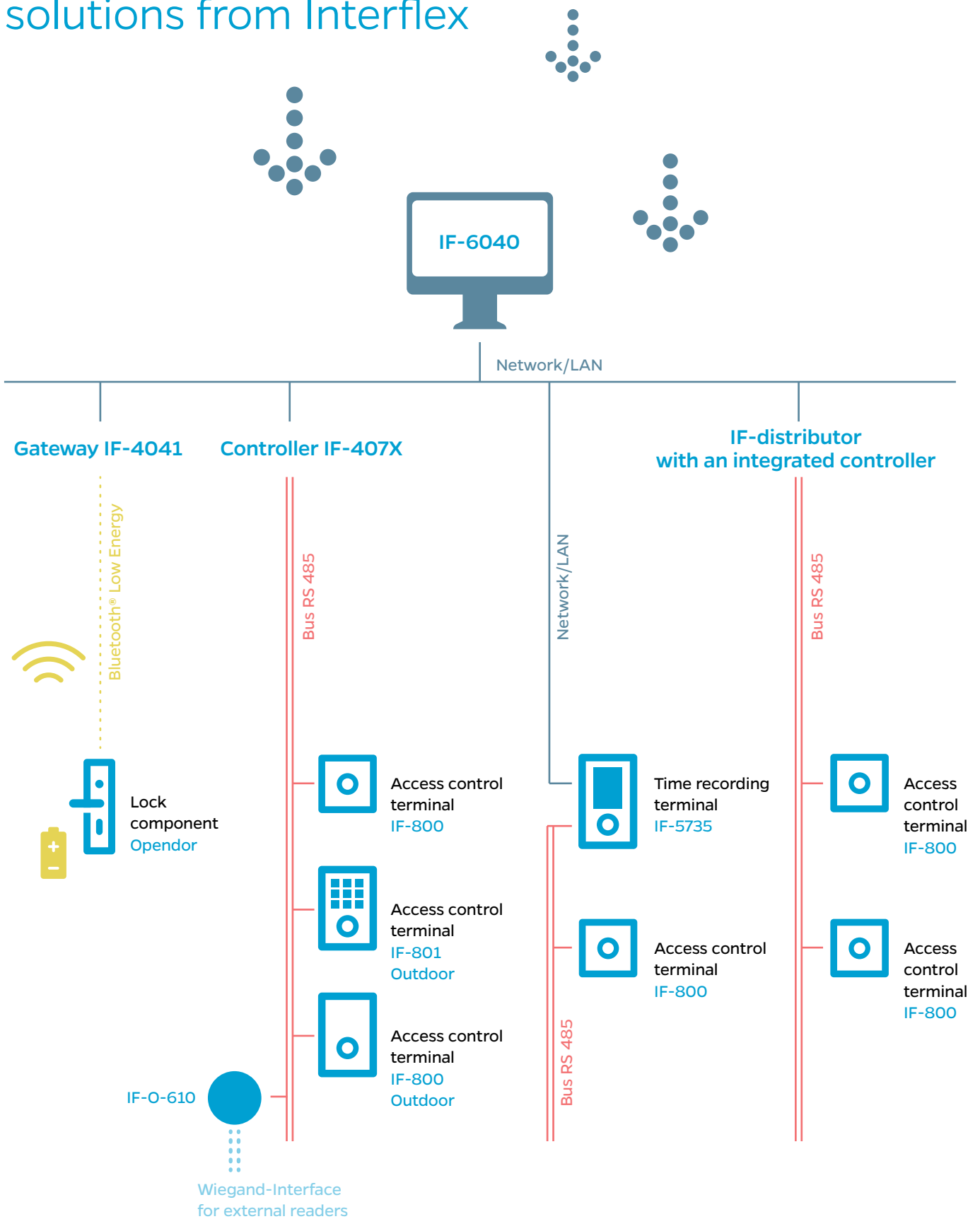**4.**

Support and maintenance
If there should be any unplanned failure of your applications, we are here for you with our Surprise Service and support you both on site and remotely.

Solutions for any application

Cylinder
IF-281

Gateway
IF-4041

IF-distributor with integrated controller

Door Handle
IF-271

Software
IF-6040

Indoor access terminal
IF-800

Indoor access terminal
IF-800

Time recording terminal
IF-5735

Our powerful and user-friendly solutions make work processes simpler and increase corporate security. They are easy to integrate and customize, thus allowing us to offer the matching solution for any environment.

How to connect the solutions from Interflex

IF-6040

Network/LAN

Gateway IF-4041

Bluetooth® Low Energy

Lock component
Opendor

Controller IF-407X

Bus RS 485

Access control terminal
IF-800

Access control terminal
IF-801
Outdoor

Access control terminal
IF-800
Outdoor

IF-O-610

Wiegand-Interface for external readers

Network/LAN

Bus RS 485

Time recording terminal
IF-5735

Access control terminal
IF-800

IF-distributor with an integrated controller

Bus RS 485

Access control terminal
IF-800

Access control terminal
IF-800

Who is to say that terminals have to look like a cross between calculators and radio-controlled alarm clocks? Certainly not us.

After all, at Interflex, we set value not only to functionality, but also to a modern and high-quality design.

Accordingly, you can easily use our elegantly designed terminals for time recording and access control as well as our locking components and without much training required. Because the menu and functions on the displays are in an easy-to-follow and aesthetic design. You will receive clear feedback on your entries, e.g., via LED, acoustic signal or notification on the display. At Interflex, we follow a clear design philosophy when we design our products and we are also guided by the feedback and requirements of our customers. We pay attention to simple, but timeless designs – for example, by combining high-quality materials such as glass and ceramics. This is why our terminals and locking components can easily be integrated in all common rooms, environments and architectures. The hardware is therefore investment-secure as well as sustainable; after all, it is up-to-date for a long time with respect to technology, as well as looks.

For every application the right technology

Access control and time recording are based on the ability to clearly identify authorized persons. Interflex offers you various credential technologies for different application purposes and security requirements: classic with an RFID identification medium or as mobile credential via app on a smartphone.

RFID technologies

At terminals and locking components from Interflex, persons can identify themselves without contact using RFID identification media with LEGIC or MIFARE technologies – with a credential in credit card format or as key fob. Interflex products support all common chip types from LEGIC and MIFARE. Special designs and hybrid cards for specific applications can also be easily configured and used.

NetworkOnCard

The NetworkOnCard (NoC) technology with RFID identification media allows you to integrate offline devices into an existing system environment. That can include access terminals or battery-operated locking components. As a result, the technology is especially suited for integration of remote or rarely used locations into a security system, e.g., branch offices, wind farms or storage rooms that are not connected to any network.

Mobile credentials with "Key" app

With the Key app from Interflex and the technologies Bluetooth® Low Energy as well as Near Field Communication (NFC), the smartphone of your employees turns into a personal mobile identification medium. The same as an RFID badge, it allows you to make bookings at terminals for access control and time recording. The access authorizations for the encrypted digital credential are assigned and withdrawn, as needed, in the IF-6040 software. This simplifies management and issue of credentials, and saves time and costs.
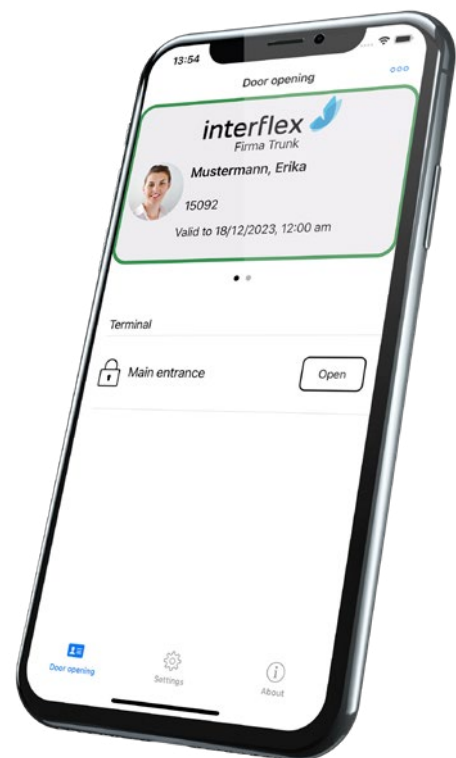
Hardware for your requirements: Our terminals for time recording and access control simplify your everyday work and protect people and values in your company.

We offer efficient and user-friendly hardware that is matched to your business processes. With it, you optimize your work processes and receive data that you can use for other applications in the company. The terminals, locking components and controllers are suitable for different sectors, such as manufacturing, healthcare and logistics as well as government agencies and banks. We have the matching product for your requirements. And with the flexibility and scalability of the wide range of solutions from Interflex you are securing your investment in the long term.

Terminals for time recording
Electronically record working time and use the data for subsequent processes, e.g. time management.
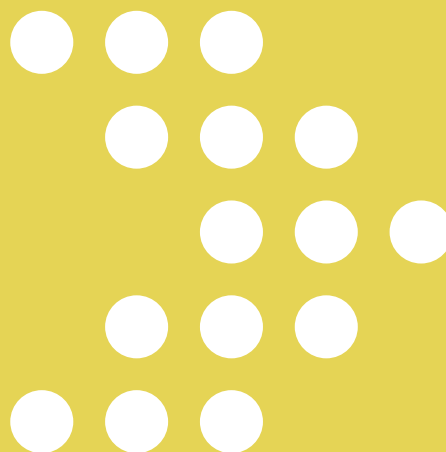
Terminals for access control
Controlling access by taking all security aspects into account.

Controllers, distributors and gateways
Control terminals and locking components, enter data from terminals and connect to the host system.

Terminals for time recording

The terminals for time recording in this series are user-friendly readers in modern design with an integrated controller for touchless identification with RFID identification media.

At the IF-5725, IF-5735 and IF-5835 terminals, persons can identify themselves using a credential in credit card format, key fob or smartphone for example. The terminals are run with the IF-6040 system. For the data exchange with the IF-6040 system, the terminals have an asymmetric PKI encryption (Public Key Infrastructure).

Features

· Quick and easy mounting on a wall surface in dry rooms
· Modern, high-quality design in black or white
· The large touch screen stands out thanks to its simple and intuitive operation and easy-to-follow menu
· Autonomous due to its own decision-making logic and local data storage when offline
· Power supply via Power-over-Ethernet (PoE) or an optional transformer
· Certificate-based asymmetric PKI encryption to the IF-6040 system

IF-5725

Specific features
· Suitable for companies with up to 250 employees
· Defined time recording: "IN" or "OUT", "Info" and "OUT on business"

IF-5735

Specific features
· Writes offline data (NetworkOnCard) to the credential
· Time recording is possible via Wi-Fi (optional) in areas where building structures make it difficult
· Up to seven terminals can be connected (optional, additional hardware required)
· I/O controller board for access control (optional)
· Cost center recording, barcode scanning, access control (optional)

IF-5835

Specific features
· Time recording is possible via Wi-Fi (optional) in areas where building structures make it difficult

Terminals for time recording

IF-4735

IF-4735 AT3

IF-815

The terminals for time recording with integrated controller are user-friendly readers for touchless identification. This is possible with identification media via RFID chip in credit card format, as key fob or via smartphone. The terminals are run with the IF-6040 system with which the data is exchanged via asymmetric PKI encryption. Optionally, you can control and monitor doors and barriers with alarm notifications and warning buzzers.

The IF-815 terminal for time recording can be used easily and intuitively to record time and attendance data of employees with RFID identification media. The terminal records personal time data, such as "IN", "OUT", absence reasons and displays work time accounts. Operate it wired via a controller or on a terminal for time recording with integrated controller and install it surface-mounted. Optionally, control and monitoring of doors and barriers with alarm notification and warning buzzers is also possible.

Features

· Time bookings, such as "IN" or "OUT", recording of absence reasons and optional cost center recording
· Autonomous due to its own decision-making logic and local data storage when offline
· Up to seven terminals can be connected (optional, additional hardware required)
· Certificate-based asymmetric PKI encryption
· Suited for mounting on surfaces in dry rooms
· Power supply via PoE or an optional transformer
· Version in AT3 housing also suited for outdoor use and harsh environments, certified with IP65 protection
· Writes offline data (NoC) to the credential
· Optional: Cost center recording, barcode scanning, access control

Features

· Existing wiring can usually be used
· Encrypted communication
· Easy and quick surface-mounted installation
· Writes offline data (NoC) to the credential
· Robust and suitable for outdoor use
· Optional I/O controller board for access control
· Optional: Cost center recording, barcode scanning, access control

Terminals for access control

Online wired terminals are suitable for access control and touchless person identification via RFID identification media in credit card format, as key fob or via smartphone.

The modern design of the online wired terminals fits perfectly into architecturally sophisticated or industrial environments. With it, you can monitor the door status, sensors on turnstiles, barriers and doors in the IF-6040 software. The terminals can be flexibly integrated into new or existing system environments. All version can be operated either on a controller or a time recording terminal with integrated controller. Depending on the version, the terminals are suitable for surface or flush-mounted installation.

Features
- Existing wiring can usually be used
- Modern, high-quality design in black or white
- Encrypted communication
- Remote I/O controller board for access control in secure area
- Support of NoC
- LED and acoustic signal inform about access authorizations

IF-800 terminal

Behnke   Siedle   W11

Specific features

· Covers available in different designs
· Suitable for flush-mounted version
· Optionally in explosion-proof enclosure according to DIN EN 60079-14

Covers

· Optional covers are available, e.g., for Siedle, Behnke and Ritto as well as the switch series Jung LS 990, Gira TX_22 and Gira E 2 or the Interflex W11 design
· The terminals can be used both indoors and outdoors

IF-800 outdoor terminal

IF-801 outdoor terminal

Specific features

· Suitable for surface-mounted wall installation
· Encapsulated reader electronics for indoor and outdoor use (IP54 protection class)

Specific features

· Suitable for surface-mounted wall installation
· Encapsulated reader electronics for indoor and outdoor use (IP54 protection class)
· A PIN pad, where a PIN entry can be requested, offers additional security

Terminals for access control

The online wired terminals in robust industrial design are designated for access control and person identification via RFID credential.

The terminals for access control are surface-mounted and operated on a controller or time recording terminal with integrated controller. Accordingly, the terminals can be flexibly integrated into new or existing environments. Together with the IF-6040 software, the door status and sensors on turnstiles, barriers and doors can be monitored with the terminals.

Features
- Existing wiring can usually be used
- Encrypted communication
- Remote I/O controller board for access control in secure area
- Support of NoC
- LED and acoustic signal inform about access authorizations
- Impact-resistant housing

IF-810 terminal

IF-811 terminal

IF-812BI terminal

Specific features

· IP54 protection class, for outdoor use

Specific features

· A PIN pad, where a PIN entry can be requested, offers additional security
· IP54 protection class, for outdoor use

Specific features

· Illuminated OLED display for messages
· IF-812BI is equipped with a barcode scanner that can read different barcode types in conjunction with access control or visitor management

IF-800/W01 terminal

IF-800/W02 terminal

Specific features

· Due to its compact design, the IF-800/W01 terminal is suitable for mounting to walls and door frames
· Design in anthracite or light gray
· Impact-resistant housing for indoor and outdoor use with IP65 protection class due to encapsulated reader electronics

Specific features

· Design in anthracite
· Impact-resistant housing for indoor and outdoor use with IP65 protection class due to encapsulated reader electronics

Card retract terminal

IF-830

The card retract terminal automatically retracts temporary RFID credentials. It can be operated on a controller or a time recording terminal with integrated controller and can thus be flexibly integrated into new or existing environments. IF-830 with integrated retract reader is installed in a column and therefore suitable for covered outdoor areas.

Features
· Existing wiring can usually be used
· Credentials are automatically retained when leaving the company premises
· Integrated card-catching container
· Can be integrated into column
· Encrypted communication
· Remote I/O controller board for access control in secure area
· LED and acoustic signal inform about access authorizations
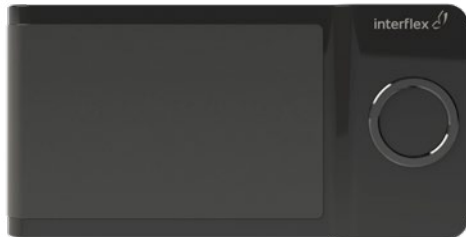
Door Manager

IF-O-610

Door Manager is part of the IF-6040 system and is available in a variety of versions. It can be operated on a controller to relocated door management and can be flexibly integrated into new or existing environments. Usually it connects third-party credential readers using a Wiegand interface for third-party hardware or serves as receiver module for RF (Radio Frequency) credentials from Interflex. Together with RF badges or mobile RF credential readers, Door Manager records identification data, controls and monitors turnstiles, gates or barriers and controls the door management.

Features
· Integrated directly into the IF-6040 access control system
· Conveniently open barriers or gates from your vehicle via the RF version
· Third-party RFID readers can be connected using Wiegand
· Encrypted communication
· Access control in secure area
· Suitable for outdoor use (IP54)
· Relocated door management
· Transmission range up to ten meters
· Monitoring and control of access checkpoints such as turnstiles

Desktop reader

IF-73

With the desktop reader you can write to and read RFID identification media such as ID cards or key fobs. The range of possible uses is diverse: From visitor management and access control through to machine control, the IF-73 supports you easily and effectively in different areas of your company. With its slim, modern design, the desktop reader is especially suited for representative areas such as at the gate or reception.

Features

- Integrated directly into the IF-6040 access control system
- Visual and acoustic signals as soon as the reader has read the data on the medium placed on it
- Optionally for RFID technologies MIFARE or LEGIC in credit card or key fob format
- DLL functions enable login to customer-specific applications via credential
- Supports USB-C
- Attractive design for representative areas
- For issuing credentials at gates
- For encoding credentials
- For controlling machines
- For credential analyses

Server Cabinet Lock

IF-191

With IF-191, you can protect server cabinets, thus high-value equipment and sensitive data from unauthorized access. It logs access of authorized persons in accordance with the ISO 27001 standard for information security. The electronic server cabinet lock meets the highest security standards cost-effectively and easily.

Features

- Integrated into the IF-6040 access control system via NoC
- Easy and quick installation
- Can be installed on virtually all racks, such as Standard, Rittal, Rittal VX, Vertiv/Knürr and Modulan
- Ergonomic design and easy to use
- Power supply via PoE
- Emergency power supply via USB-C

Battery-operated locking components

Modern access control solutions replace mechanical locking systems and allow you to avoid high costs in the event that a key is lost. With the Opendor product line, all doors can be integrated into the overall security concept cost-efficiently and easily – without wiring or any major modifications.

Welcome to the future of access control. "Over-the-air" is the catchword when it is about the latest generation of wireless, battery-operated locking systems. Our Opendor product line includes the IF-281 lock cylinder, the IF-271 electronic door handle, the IF-241 door fitting and the IF-261 cabinet lock. All products run via a specifically developed reader platform, are battery-operated and each are available in two versions – Opendor [air] and Opendor [card]. Locking components of the Opendor [air] version communicate with the IF-4041 gateway that is connected to the IF-6040 software over the air via the Bluetooth® Wireless Technology. This makes any door online-enabled. With the NoC technology, Opendor [card] offers a fast and reliable security solution without network connection of locking components. With NoC, the access authorizations are located on the RFID identification medium.

Features
- Authorization list and self-learning access control list for offline use (up to 1,200 entries)
- Opendor [air] with wireless mode and certificate-based encryption
- Quick and easy mounting, no cables required
- Access via RFID identification medium or smartphone
- NFC/Bluetooth® low energy with "Key" app
- Upgrade from Opendor [card] to Opendor [air] possible at any time
- Long range of up to 50 meters in buildings with Opendor [air]
- Very long battery life
- Convenient one-hand operation
- Drill-free for standard doors and cabinets
- Multi-color LED and acoustic signal inform about access authorizations

IF-281 Cylinder

IF-271 Door Handle

Specific features

- Locking cylinder with electronic knob, profile cylinder and mechanical inner knob
- Electronic knob with key function evaluates access authorizations and grants access to authorized persons
- Can be used on almost all doors thanks to standard, anti-panic or half cylinder
- Replaces mechanical locking cylinder on all conventional locks
- Standard Euro profile cylinder in accordance with DIN 18252/EN 1303/DIN EN 15684
- For outdoor use optionally IP66 protection class

Specific features

- Sturdy electronic door handle with precise mechanics and electronics
- Can be used on almost all doors, including glass doors and on tubular frame doors (65 mm)
- Modular structure: Door thickness, distance measure and square spindle can be adapted
- Drill-free installation
- Handle can be installed on the right or left

IF-241 Door Fitting

IF-261 Cabinet Lock

Specific features

- Very rugged electronic door fitting made of 1.8 mm stainless steel
- Can be used on almost all doors, including outdoors and on tubular frame doors
- Available in wide or narrow version
- Different door handles available

Specific features

- Electronic cabinet lock for storage cabinets and locker systems
- Rugged housing, resistant to disinfectants
- Easy installation thanks to adapter plates
- Good read range even on metal cabinets
- Emergency power supply via Micro USB

Gateway

Central controller

IF-4070

IF-4072

IF-4041

The gateway connects locking components of the Opendor ^{air} product series to the IF-6040 system using Bluetooth® low energy technology – an encrypted connection based on a certificate. Battery-operated locking components can be run online via the gateway in locations where cables cannot be installed or routed. In the online mode, the IF-6040 system checks the recorded bookings of the locking components in real time. If the system is offline, the gateway checks the recorded bookings. Optionally, authorizations can be transferred from the IF-6040 system to the gateway and stored there as part of the three-level security concept.

The controllers record data from connected Interflex terminals and transmit them to the IF-6040 system in real time. They send booking decisions back to the terminals. The controllers are installed in a secure area. They are available in versions to support two, four, eight or 16 terminals that are distributed via three RS-485 interfaces. If IF-6040 is offline, the controller works locally, since it stores all data that is needed for offline operation.

Features

· Autonomous due to its own decision-making logic and local data storage when offline
· Power supply via PoE or an optional transformer
· Up to 16 terminals can be connected (optional)
· Terminals are connected to controller via RS-485 interface
· Communicates with IF-6040 via Ethernet using asymmetric PKI encryption

Specific features (IF-4070)

· Contact for monitoring status of housing
· Eight integrated relays and eight input contacts for different applications
· Installation into 19" slide-in rack

Features

· Can be controlled centrally via IF-6040, including software updates, up to the locking components
· Manage up to 50 locking components
· Distance to locking components of up to 50 meters in buildings
· Power supply via PoE
· Certificate-based encryption of locking components via the gateway to the IF-6040 system
· Grant or withdraw access permissions online in real time
· No cabling to end device required
· Communicates with IF-6040 via Ethernet using asymmetric PKI encryption

Specific features (IF-4072)

· Two integrated relays and four input contacts for different applications
· Installation via DIN rails

Central controller

IF-4077

IF-4078

The controller in the wall-mounted housing collects data from Interflex terminals and transmits it in real time to the IF-6040 system. If the housing is opened without authorization, a monitoring contact sends an alarm to the higher-level IF-6040 access control system. Depending on the version, the IF-4077 is equipped with up to eight I/O controller boards for centrally controlling/wiring connected terminals and the actuators to be controlled for doors or barriers. In addition, you can connect more terminals via RS-485 interfaces.

The controller in the wall-mounted housing collects data from connected Interflex terminals and Wiegand readers and transmits it in real time to the IF-6040 system. It sends booking decision back to the terminals or Wiegand readers. It can address four third-party Wiegand terminals and twelve other Interflex terminals. If the housing is opened without authorization, a monitoring contact sends an alarm to the higher-level IF-6040 system.

Features
· Central control of terminals and doors
· Easy and quick surface-mounted installation
· Autonomous due to its own decision-making logic and local data storage when offline
· Connection of terminals from other manufacturers via different Wiegand formats
· Twelve additional Interflex terminals con be connected via RS-485
· Return of booking decisions to terminals
· Eight integrated relays and 16 input contacts for different applications

Features
· Central control and wiring of terminals and doors
· Easy and quick surface-mounted installation
· Autonomous due to its own decision-making logic and local data storage when offline
· Depending on the equipment configuration, up to twelve additional terminals can be connected via RS-485 interfaces
· Two integrated relays and four input contacts for different applications
· Depending on the version of the controller, doors and barriers can be controlled and monitored with up to eight I/O controller boards
· Communicates with IF-6040 via Ethernet using asymmetric PKI encryption
· All terminals and contacts are centrally wired to the IF-4077

IF distributor for up to four or up to eight doors

Using distributors you can connect different components such as terminals, I/O controller boards, controllers, door openers or door monitoring – conveniently and uniformly.

The IF distributors in small or large wall-mounted housings are available for up to eight doors – and with or without power supply unit depending on the equipment configuration. To minimize the required wiring on site, no more than eight I/O controller boards are integrated and wired ready-to-use. They are equipped with an output contact and two input sensors that can be configured as indicator, event or counting contacts. Every board is connected with a terminal and an access control system, such as a door opener or a turnstile. If the housing of the distributor is opened without authorization, a monitoring contact sends an alarm to the higher-level IF-6040 access control system via the downstream distributor. The version with eight doors is available with or without controller. If an IF-4072 controller has been installed in the distributor, it checks the booking data of the Interflex terminals and transmits it in real time to the IF-6040 system for time recording and access control.

Features
· Easy and quick commissioning
· Central wiring
· Sturdy metal housing with monitoring contact to prevent unauthorized opening of the housing
· Mains filter to compensate for interference in the 230 V mains
· Separation of small and low voltage, depending on the equipment configuration
· Depending on the equipment configuration with two, four or eight I/O controller boards

IF distributor for up to four doors

IF distributor for up to eight doors

Specific features
· Small housing
· Available with or without a power supply unit
· Optionally with lock

Specific features
· Integrated transformer and integrated PSU, depending on the equipment configuration
· Depending on the equipment configuration, integrated IF-4072 controller
· Optionally with lock

IF distributor power supply

The IF distributor power supply supplies the IF distributor with power without an internal power supply unit or transformer. If the housing is opened without authorization, a monitoring contact sends an alarm to the higher-level IF-6040 access control system via the downstream distributor. Together with the terminals and the door openers, the IF distributor power supply results in a compact unit that is easy to install and maintain.

Features

· Easy and quick commissioning
· Central wiring and uniform installation
· Supplies the Interflex distributor with the required voltage
· Mains filter to compensate for interference in the 230 V mains
· Separation of small and low voltage
· Integrated transformer and integrated PSU
· Sturdy metal housing
· Optionally with lock

I/O controller board for installation via DIN rails

IF-79 I/O Panel

Every Interflex terminal works with an I/O controller board that is usually installed in a secure area for controlling and monitoring doors and barriers. The different versions are designed for quick and easy installation. A basic version is supplied for each terminal. A corresponding DIN rail I/O controller board is available as an accessory for DIN rail mounting.

Each Interflex terminal works only with one I/O controller board that is installed in a secure area for controlling and monitoring doors and barriers. With the IF-79 I/O panel for installation in a 19"-rack, up to eight terminals can be centrally wired, operated and maintained. An RS-485 data cable connects the I/O controller board that is installed in the I/O panel with higher-level devices such as controllers and terminals.

Features

· Compact unit that is easy to install and maintain if the DIN rail I/O controller board is combined with a housing and power supply for the reader and the door opener
· Connection of a housing contact (reed switch) is possible
· Can be directly mounted on DIN rails
· Installation aid for terminals
· Control of external equipment, such as turnstiles that are secured with electric door openers and monitored using floating sensors
· Recording of sensor statuses

Features

· Compact unit that is easy to install and maintain if the IF-79 I/O panel is combined with a 19"-rack and the power supply for the reader and door opener
· Central installation and control of turnstiles or doors that are secured with electric door openers and monitored using floating sensors
· Easy, quick and clear installation in the 19"-rack
· Connection of a housing contact (reed switch) is possible
· Power supply of electrical actuators for access control
· Control of external devices and recording of sensor statuses
· I/O panel module assumes door management and is fully integrated into the Interflex product range

Access Control

	Wireless				Offline
	IF-241	IF-261	IF-271	IF-281	IF-W02
User interface					
Color signal	■	■	■	■	■
Buzzer	■	■	■	■	■
Hardware					
Dimensions (H x W x D) in mm	Wide: 285 x 65 x 27 Narrow: 285 x 42 x 27	Visible component 75 x 41 x 18.5	A0, A3: 66/52 x 120 x 21	Euro profile cylinder Length up to 140	IF-800/W01: 83.5 x 44 x 12.8 IF-800/W02: 119 x 77 x 23
Housing material	Stainless steel	Plastic	Stainless steel/plastic	Stainless steel/plastic	Plastic
Readers					
RFID reader (LEGIC or MIFARE)	■	■	■	■	■
"Bluetooth® Wireless Technology/ Booking with a smartphone"	■	■	■	■	■
Installation					
Installation type/location	Indoors, outdoors	Indoors	Indoors	Indoors, outdoors	Indoors, outdoors
Ambient temperature in °C	-25 to 55	+4 to +40	+4 to +40	-25 to +55	-25 to +55
Safety					
Protection type/class	IP34/IP54	IP40	IP40	IP54/IP66	IP65
Switching capacity, max. 30 V, 2 A					
Power supply	Lithium batteries Wide: Type AA 1.5 V Narrow: Type AAA 1.5 V	Lithium batteries Type AA 1.5 V	Lithium batteries CR2450 3 V	Lithium batteries CR2450 3 V	18/24 VAC/VDC
Batteries, number of	3	2	4	2	
Operation					
Battery service life (max. opening cycles)	Up to 200,000, depending on the technology	Up to 80,000, depending on the technology	Up to 200,000, depending on the technology	Up to 200,000, depending on the technology	
Authorization list (offline mode) 1,200 entries	■	■	■	■	NoC
NoC/wireless	■	■	■	■	NoC
Booking history/offline mode	1,000/400 entries	1,000/400 entries	1,000/400 entries	1,000/400 entries	NoC
Emergency opening	■	USB-C outside			
Battery replacement	Battery replacement tool	Battery compartment inside	Battery replacement tool	Battery replacement tool	

Access Control and Time & Attendance Recording

	eVAYO Access Control				Access Control	
	IF-73	IF-800	IF-800 Outdoor	IF-801 Outdoor	IF-O-610 Door Manager	IF-810
User interface						
Display						
Color signal	■	■	■	■		■
Buzzer	■	■	■	■		■
Keypad						
PIN entry				■		
Touch screen						
Hardware						
Dimensions (H x W x D) in mm*	129 x 65 x 21.8	70 x 70 x 42	130.5 x 87 x 24	130.5 x 87 x 24	130 x 130 x 77	157 x 114 x 35
Readers						
RFID readers (LEGIC or MIFARE)	■	■	■	■		■
Bluetooth® Wireless Technology/ Booking with a smartphone	■	■	■	■		■**
Barcode Imager						
Installation type		Flush-mounted	Surface-mounted	Surface-mounted	Surface-mounted	Surface-mounted
Ambient temperature in °C depending on configuration version	+4 to +40	+4 to +40	-25 to +55	-25 to +55	-25 to +55	-25 to +55
Interfaces						
Digital inputs		2 (max. 4)	2 (max. 4)	2 (max. 4)	2 (max. 4)	2 (max. 4)
Relays		1 (max. 2)	1 (max. 2)	1 (max. 2)	1 (max. 2)	1 (max. 2)
RS-485 interface		■	■	■	■	■
Wiegand					■	
Safety						
Anti-tamper switch		■	■	■	■	■
Protection type/class	IP30	IP20	IP54	IP54	IP54	IP43
Switching capacity max. 30 V, 2 A		■	■	■	■	■
Power supply 18/24 VAC/VDC		■	■	■	■	■
PoE Power class 0						

() = optional
* depending on the selected decorative frame
** available from the middle of 2024

Performance Overview

Access Control				eVAYO Time & Attendance Recording		Time Recording		
IF-811	IF-800VP	IF-800/W01 IF-800/W02	IF-812BI	IF-5735	IF-5725 IF-5835	IF-4735 AT3	IF-4735	IF-815
			■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
				■	■	■	■	■
■						■	■	■
				■	■			
157 x 114 x 35	140 Ø x 34	IF-800/W01: 83.5 x 44 x 12.8 IF-800/W02: 119 x 77 x 23	157 x 114 x 76	163 x 87 x 45.8	163 x 87 x 45.8	240 x 360 x 154	239 x 210 x 85	157 x 114 x 35
■	■	■	■	■	■	■	■	■
■**	■	■**	■**	■	■	■	■	■**
			■					
Surface-mounted	Surface-mounted	Surface-mounted	Surface-mounted	Surface-mounted	Surface-mounted	Wall/vertical column	Surface-mounted	Surface-mounted
-25 to +55	-25 to +55	-25 to +55	-25 to +55	+4 to +40	+4 to +40	-25 to +55	+5 to +40	-25 to +55
2 (max. 4)	2 (max. 4)	2 (max. 4)	2 (max. 4)	2 (max. 4)		2 (max. 4)	2 (max. 4)	2 (max. 4)
1 (max. 2)	1 (max. 2)	1 (max. 2)	1 (max. 2)	1 (max. 2)		1 (max. 2)	1 (max. 2)	1 (max. 2)
■	■	■	■			Ethernet		■
■	■		■	■	■	■	(■)	■
IP43	IP65	IP65	IP43	IP30	IP30	IP65	IP30	IP43
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
				■	■		■	

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Controller

	Controller				
	IF-4070	IF-4072	Gateway IF-4041	IF-4077	IF-4078
User interface					
Color signal	7 LEDs (indicating operating status on front side)	Operating status indicators front side	Operating status indicators front side		
Hardware					
Dimensions (H x W x D) in mm*	44 x 420 x 225	58 x 160 x 90	86 x 172 x 32 mm	604 x 304 x 105	604 x 304 x 105
Installation					
Installation type	Stackable table-top housing/installation in 19" slide-in rack, 1 RU, 84 DU	Mounting rail EN 60715 TH 35	Wall-mounted with screws	Wall-mounted with screws	Wall-mounted with screws
Ambient temperature in °C	+4 to +40	+4 to +40	+4 to +40	+4 to +40	+4 to +40
Interface					
Number of relay outputs	8	2		Up to 8	Up to 8
Number of digital inputs	8 (for floating sensors), debounce time of contacts at least 100 ms	4 (for floating sensors)		Up to 16	Up to 16
Relay contacts Normally open (NO), Normally closed (NC), changeover contact	■	■		■	■
Anti-tamper switch	■			■	■
Interface to terminals RS-485	■	■	Wireless	■	■
Safety					
Protection type/class	IP30	IP20	IP20	IP20	IP30
Power supply					
Output relays Switching capacity 30 V, 2 A	■	■	30	■	■
Power supply 18–24 V	Optional	■	■	■	■
PoE power class 3	■	■	■		
Power supply 230 VAC, +/−10 %, 50 Hz (optionally also 110 VAC)	■				

Distributors

	Distributors				
	IF distributor power supply	IF Distributors 1–2 doors/ 4 doors	IF Distributors 4 doors/ 8 doors	IF Distributors 8 doors	IF Distributors 1–2 doors/ 4 doors
Hardware					
Dimensions (H x W x D) in mm	300 x 300 x 120	300 x 300 x 120	600 x 300 x 155	600 x 300 x 155	600 x 300 x 155
Color	Painted, RAL 7035	Painted, RAL 7035	Painted, RAL 7035	Painted, RAL 7035	Painted, RAL 7035
Housing material	Steel	Steel	Steel	Steel	Steel
Installation					
Installation type	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted
Ambient temperature in °C	+5 to +40	+5 to +40	+5 to +40	+5 to +40	+5 to +40
Interfaces, inputs/outputs and contacts					
Anti-tamper switch	■	■	■	■	■
I/O controller board		2/4	4/8	8	2/4
Sensor inputs		4/8	8/16	16	4/8
Output relays		2/4	4/8	8	2/4
Operating status indicators	LED	LED	LED	LED	LED
IF-4072					■
Ethernet					■
Interfaces to slave terminals: RS-485					■
Service interfaces: RS-232					■
Power supply					
Mains voltage 230 VAC	■		■	■	■
PSU 230 V/24 VDC, 2.5 A Transformer 230 V/20 VAC, 1.6 A	■		■	■	■
Fuse protection circuit breaker, 1-pole, 6 A	■		■	■	■
Power input approx. 4 VA (with slave terminal)	■		■	■	■
Output relay switching capacity 30 V, 2 A		■	■	■	■
Mains filter	Single-phase AC filter		Single-phase AC filter	Single-phase AC filter	Single-phase AC filter
Protection type/class	IP53	IP53	IP53	IP53	IP53

Biometric access control for more security in your company: With biometric recognition methods, companies are secured at the highest level.

Biometric terminals recognize individual physical features of authorized persons – features that cannot be passed on, lost or stolen. Contrary to conventional systems for person identification, biometric terminals use unique physical features, e.g. fingerprints or iris patterns of authorized person, to guarantee unambiguous identification. PINs or RFID credentials additionally verify biometric processes. The solutions can be seamlessly integrated into your IT structures and the IF-6040 access system.

2D fingerprint recognition
High security for access control and time recording. Easy to use, cost-effective and very reliable.
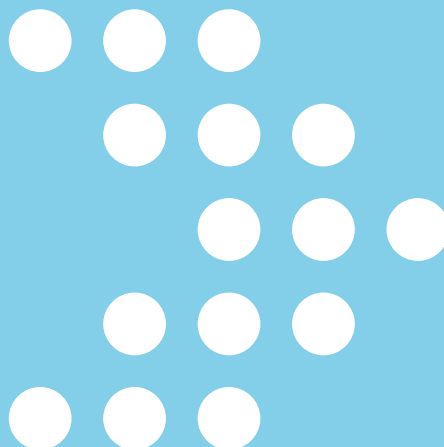
3D fingerprint recognition
Highest level of security for access control and time recording – touchless. Additional security thanks to live finger detection.

Iris recognition
Highest level of security for access control and time recording – touchless.

Our partner for biometrics

We implement our biometric solutions together with
our partner TBS Touchless Biometric Systems AG.
Its products can easily be integrated into modern IT
structures and existing access systems and provide
a maximum level of quality standards and security.
The integration of TBS solutions into an access control
system from Interflex is suitable for small and large
installations. The Interflex IF-6040 system allows for
direct recording of biometric features of users, assigning
booking authorizations and managing the TBS devices.

Highly secure and reliable

The seamlessly integrated biometric terminals are
performant, reliable and especially secure. They are
therefore suitable for data centers and other critical
infrastructures with the highest security requirements
as well as for reliable and tamper-proof time recording.
TLS encryption secures the recorded data. Up to 10,000
biometric templates can be created and managed with
the devices and their live finger detection.

Identification and verification

Biometrics provide you with flexibility for both identi-
fication as well as verification. For the identification, a
biometric feature, e.g. a fingerprint or the iris, is used as
a factor for recognition. The verification requires an
additional factor from the users, e.g., an RFID badge or a
PIN that is compared with the recorded biometric features
of the person. This creates an additional security level that
is required for top-security environments or systems with
a large number of stored persons.

The seamlessly integrated
biometric terminals are
performant, reliable and
especially secure.

TBS 2D ENROLL

TBS 2D IRON

The enrollment station includes a touch-based biometric sensor for initial registration and creation of templates when combined with a computer. It is suitable for small to medium-sized user groups. A quality check is implemented when the fingerprint is recorded and a duplicate check is carried out. The capacitive touch sensor is certified.

The touch-based fingerprint scanner with touch sensor is suitable for extreme applications and high security at access points indoors and outdoors - autonomous and network-capable. It enables both access control and time recording for small to large user groups. The terminal can be either surface-mounted or flush-mounted.

Features

· Quality check and duplicate check
· Small to medium-sized user groups of up to 5,000 persons

Features

· Indoor and outdoor use
· Very high recognition performance even when fingers are dirty
· Small to large user groups of up to 5,000 persons
· Identification or RFID PIN verification
· Variable configuration and customizing
· LEGIC and MIFARE possible
· Optional: Live finger detection

TBS 3D AIR

TBS 3D ENROLL

The touchless and three-dimensional fingerprint scanner for maximum security is suitable for access points indoors and outdoors – autonomous and network-capable. Enables both access control and time recording for small to large user groups. The terminal can be either surface-mounted or flush-mounted. RFID support and live finger recognition are optionally available.

The enrollment station includes a touchless, three-dimensional sensor for initial registration and creation of templates when combined with a computer. Thanks to its very high level of security, it is suitable for access control, time recording and areas with very large user groups. A quality check and duplicate check are carried out when a fingerprint is recorded. Its operation is hygiene-compliant for sensitive applications thanks to the 3D touchless technology.

Features

· Maximum security
· Access Control and Time & Attendance Recording
· Hygiene-compliant for sensitive applications thanks to being touchless
· Identification or RFID PIN verification
· Small to large user groups of up to 10,000 persons
· Variable configuration and customizing
· Optional: RFID with LEGIC/MIFARE, live finger recognition

Features

· Quality check and duplicate check
· The Highest Security Level
· Hygiene-compliant for sensitive applications
· No "Failure-to-enroll"
· 3D touchless technology
· Large user groups of up to 10,000 persons

TBS 2D SENSE

The two-dimensional touchless fingerprint scanner with touchscreen for maximum security is suitable for access points indoors and outdoors – autonomous and network-capable. It is user-friendly and enables both access control and time recording for small to medium-sized user groups. The capacitive touch sensor is certified and optimized against vandalism. It can be either surface-mounted or flush-mounted.

Features

· High Level of Security
· Access Control and Time & Attendance Recording
· Optimized against vandalism
· Identification or RFID PIN verification
· Small to medium-sized user groups of up to 5,000 persons
· Variable configuration and customizing

•••

Capacitive, certified touch sensor.
Optional: RFID with LEGIC/MIFARE.

TBS 3D LIGHT

With its iris recognition, the terminal offers high security for access control and time recording indoors and is a touchless application. It is autonomous and network-capable and is suitable for medium to large groups of users. It is surface-mounted. Enrollment takes place directly at the terminal.

Features

· Access Control and Time & Attendance Recording
· Enrollment at the terminal
· Hygiene-compliant for sensitive applications
· Medium to large user groups of up to 5,000 persons
· Identification or verification using RFID/MIFARE and PIN
· Variable configuration and customizing

•••

Including RFID reader for MIFARE.
LEGIC is not supported.

Biometrics

Biometrics*						
	TBS 2D ENROLL	TBS 2D IRON	TBS 3D AIR	TBS 3D ENROLL	TBS 2D SENSE	TBS 3D Light
User interface						
Color signal		■	■		■	■
PIN entry		■	■		■	■
Buzzer		■	■		■	■
Keypad		■	■		■	■
Touch screen		5.0"	5.0"		3.5"	5.0"
Hardware						
Dimensions (H x W x D) in mm	100 x 129 x 78	211 x 140 x 92	211 x 140 x 92	160 x 195 x 100	160 x 100 x 75	195 x 166 x 44.5
Color	Black	Black	Black	Black	Black	Black/silver
Readers						
RFID readers (LEGIC or MIFARE)		■	■		■	MIFARE
Installation						
Cable feed		Flush-mounted	Flush-mounted		Flush-mounted	Flush-mounted
Installation type		Surface-mounted Flush-mounted	Surface-mounted Flush-mounted		Surface-mounted Flush-mounted	Surface-mounted
Ambient temperature in °C	0 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	0 to +45
Interface						
Relays		1	1		1	1
Interface	USB	RS-232/TCPIP	RS-232/TCPIP	USB	RS-232/TCPIP	RS-232/TCPIP
Safety						
Degree of protection		IP65	IP30, IP54		IP30, optionally IP54	
Power supply						
Power consumption in W		10	11	20	5	16
Power supply	USB	12–24 V	12–24 V	5 V	12–24 V	12–15 V
Method						
FAR 1:100,000 in %		< 1	0.5		< 2	< 0.5
Sensor	Finger, capacitive	Finger, optical, multispectral	Touchless 3D finger scanner	Touchless 3D Finger scanner	Finger, capacitive	Touchless iris scanner

*All information according to the manufacturer.

That is Interflex

Interflex has been developing, producing and selling combined hardware and software solutions for modern access concepts and workforce management since 1974. With several thousand system installations, Interflex is one of the international market leaders in this sector.

We want to improve the way of how you and your employees work on a long-term basis. To this end, we develop flexible solutions that permanently improve processes and enable our customers to autonomously manage their challenges. In doing so, we always keep an eye on your challenges. Our smart and simple solutions connect software, hardware and services: for the specific working world of each company. In short, Interflex upgrades your work.

People come first
Wilhelm Haller devoted himself to the question as to how the working world could be improved in the long term, when he founded Interflex in 1974 in Durchhausen, Tuttlingen district, and launched his first time recording system. For the Swabian social entrepreneur and pioneer of flextime, people always came first in his work, as well as the compatibility of career and personal life. A concept that everybody is talking about today: work-life balance. This is our DNA.

All from one single source
But we went further than time recording. Over the decades we successively expanded our portfolio. It includes integrated solutions for workforce management with time recording, time management and personnel scheduling as well as innovative security solutions for access control and access control with visitor management. Interflex is an international market leader with several thousand system installations managing about 5.8 million employees every day. All the solutions and products are "Made in Germany" and can be modularly adapted according to your individual requirements – regardless of company size and sector. We are represented across the whole of Germany with twelve locations and operate subsidiaries in Austria, Belgium, the Netherlands and Switzerland.

People and the compatibility of career and personal life come first at Interflex. This is our DNA.

A BRAND OF **ALLEGION**

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