ADATIS

Attractive all-in-one solution

for access control and visitor communication

¬ Environmental protection
classification IP65
temperature range -20°C to +60°C

¬ Surface or flush mounting

¬ Audio/Video intercom (VoIP)
for visitor communication (SIP)

¬ 3D face recognition system for
highly secure biometric identification

¬ Connection via Ethernet or 2-wire
(with 128 Bit AES encryption),

¬ Sunlight-readable 5,7" LC-display

¬ Intuitive touch screen user interface

¬ Integrated RFID reader

ADATIS ⫴ ◀

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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

ADATIS

FACEENTRY®-XT | TOUCHENTRY®-XT

¬ Stand-alone solution without PC and without separate controller

FaceEntry®-XT | TouchEntry®-XT

¬ Access Control   ¬ Identification   ¬ Verification   ¬ Door Intercom   ¬ RFID

3D FACE RECOGNITION*

Biometric features such as the face are unique and identify a person without any doubt. Face recognition also offers a high level of acceptance because it's safe, quick and easy to use. It works without physical contact and is therefore harmless and hygienic. The technology which is used by Adatis is based on latest research results, working with a three-dimensional acquisition of the face and using invisible infrared light. When a face in front of the camera is detected, a 3D scan is started and features generated from the 3D-mesh are compared against features stored in a database. All this takes less than one second. As only abstract features are stored, a reconstruction of a face from the features is not possible. Operation does not require any user interaction: If the person standing in front of the door is enrolled, i.e. in the data base, the door opens automatically - it can't get more comfortable than this. (*only for FaceEntry-XT)

ACCESS CONTROL - TIME AND ATTENDANCE

For small installations with a single door or a few doors FaceEntry-XT/TouchEntry-XT operates in **stand-alone mode** without a server. Authorized and enrolled staff members are stored in an internal database.
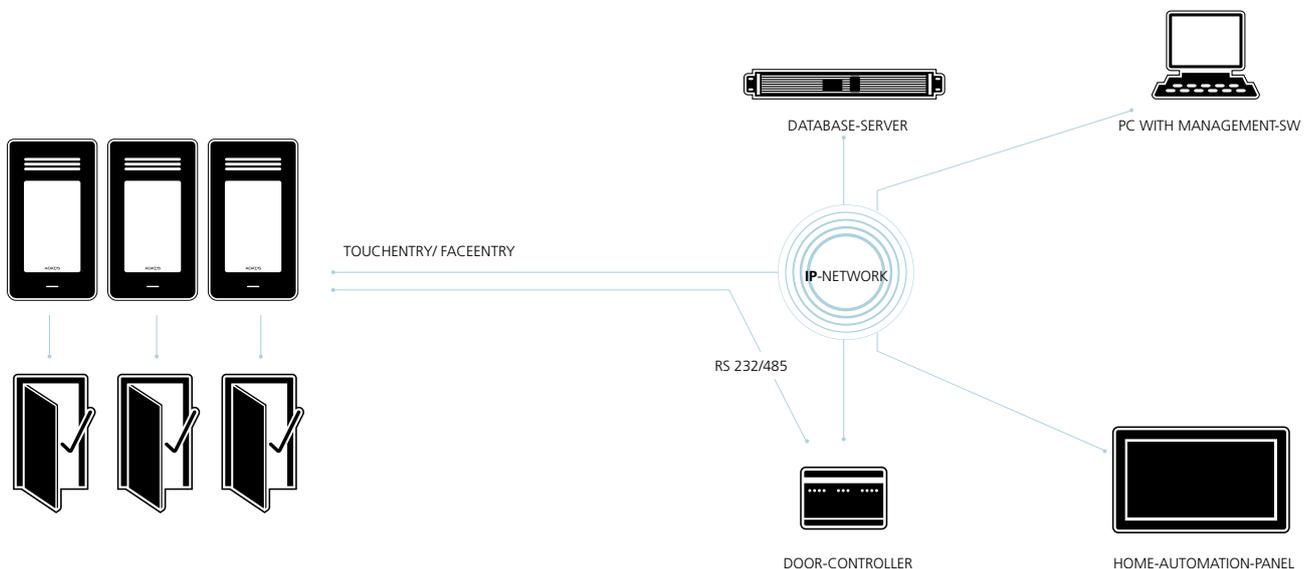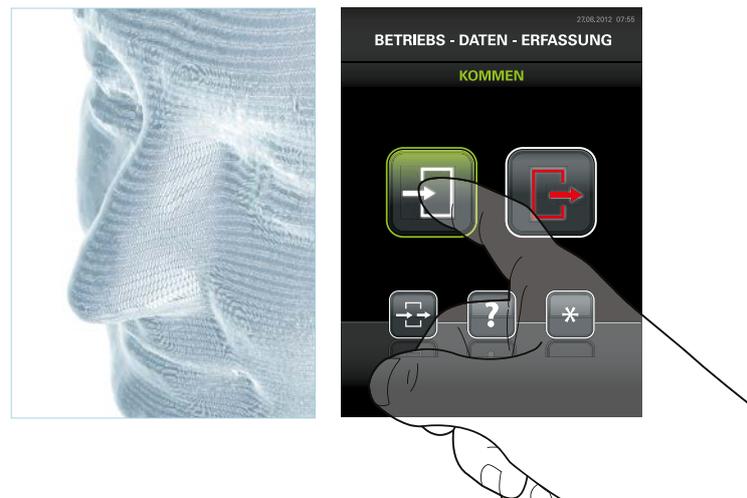
If several systems are installed at a site, operation in **server mode** is recommended: Access data is centrally stored and managed in a server database.

For integration into existing or large installations the system works in **reader mode**: User data is gathered via biometry, RFID card or PIN

code and transmitted to a centralized management system. Communication is accomplished either via Ethernet (TCP/IP) or via a serial port with appropriate protocols. The management system grants or denies access and controls the FaceEntry/TouchEntry terminal.

The flexibility of the LCD touch screen allows the system also to be used for time and attendance.

BIOMETRY, RFID, PIN-CODE

With FaceEntry®-XT you may combine 3D face recognition with RFID and PIN-code. This will increase the level of security according to your requirements or migrate from traditional access cards to a state-of-the-art biometric system.

TOUCHENTRY/ FACEENTRY

DATABASE-SERVER

PC WITH MANAGEMENT-SW

IP-NETWORK

RS 232/485
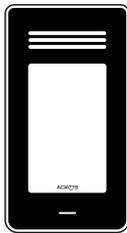
DOOR-CONTROLLER

HOME-AUTOMATION-PANEL

DOOR COMMUNICATION

Visitors either choose their desired point of contact directly using the built-in phone book - or ring the door bell for the receptionist. As the unit is networked, distance does not matter any more and the receiving station can be anywhere in the world. The high quality echo cancellation guarantees natural voice communication, without loosing a word. At the same time you will see the person and the situation in front of the door, live and in color, anytime, even if no one is ringing.

INTUITIVE TOUCH INTERFACE

Ever since the proliferation of smartphones, everyone knows the benefits of touch technology. With the touch of a finger you ring the door bell or choose a contact from the phone list - nice to have this now also available for your entrance.

HD-AUDIO WITH HIFI SOUND

A dedicated audio DSP provides high-quality speakerphone functionality even in noisy environments and excellent intelligibility of speech in both directions with a frequency range up to 16 kHz.

TOUCHENTRY/ FACEENTRY

SIP-SERVER [e.g. Asterisk]   SIP-TELEPHONE   PC WITH SOFTPHONE
IP-NETWORK
FXS-GATEWAY   TELEPHONE SYSTEM
FXO-GATEWAY   WLAN-ROUTER
ANALOGUE TELEPHONE   SMARTPHONES/ TABLETS WITH SIP-APPS
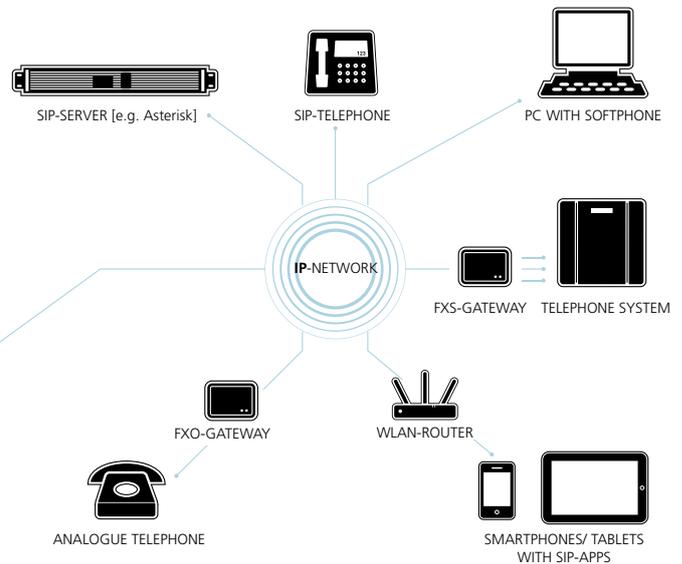
TRANSFLECTIVE DISPLAY, SUNLIGHT-READABLE

The suitability for outdoor use requires, in addition to the IP65 rating, also a perfect readability of the display even in settings with high ambient light. The devices of the XT series use a special transflective display, which ensures a brilliant display even in direct sunlight and which is much more power efficient than other solutions.

CONNECTION VIA ETHERNET OR 2-WIRE (WITH 128 BIT AES ENCRYPTION)

In addition to Fast-Ethernet a connection over any type of wire pair is facilitated with an optional 2-wire kit. The same wires used for communication will also power the unit. Typically, the wires may be the former door bell wires or any other spare wire pair of an existing cabling. The XT housing is prepared to accommodate the 2-wire converter board. Included in the kit is an adapter box that converts the 2-wire signal back into an Ethernet signal. Data transmisson over the 2-wire line is encrypted according to the 128 bit AES encryption standard.

THE ENTRANCE IS A FLAGSHIP

The high-contrast color LCD screen offers many options: Your company logo will stand out brilliantly, and the free programmability of graphics allows for additional information about your company and your presentation to the outside - away from the usual monotony towards an unmistakable flagship of your company.

ENVIRONMENTAL PROTECTION RATING IP65, SURFACE OR FLUSH MOUNTING

The products of the XT series are designed for outdoor use and provide an environmental protection classification of IP65. The sturdy metal housing with stainless steel look, the pickproof speaker opening and the hardened safety glass ensure a high level of resistance against vandalism. The included mounting box allows either a surface or flush mounting of the unit.

ADATIS

SPECIFICATIONS

BIOMETRY

- ¬ Face recognition in 3D
- ¬ Detection time: less than 1 second
- ¬ Enrollment time: less than 5 seconds
- ¬ Template size: about 5 kB
- ¬ FAR (False Acception Rate): 0,000.1%
- ¬ FRR (False Rejection Rate): 0.01%
- ¬ Light Source: Xenon-flash, NIR > 750 nm
- ¬ Working distance: 40 - 60 cm

RFID

- ¬ NFC-technology
- ¬ Mifare, Mifare DESFire
- ¬ LEGIC® Advant und LEGIC® Prime (mit LEGIC®-Option)

VIDEO

- ¬ 2 megapixel CMOS color sensor
- ¬ Wide-angle lens with 100 degree field-of-view
- ¬ Electronic PTZ
- ¬ Video compression H.264, MJPEG, JPEG
- ¬ Video resolution VGA and CIF
- ¬ Frame Rate: up to 30 frames per second
- ¬ Anti-flicker setting

AUDIO

- ¬ Built-in microphone and speaker
- ¬ Full-duplex high-performance echo cancellation
- ¬ Integrated class D amplifier with up to 14 W
- ¬ Frequency range: 200 - 16000 Hz
- ¬ G.711 (A/μ-Law), G.722 audio encoding

OPERATION/CONFIGURATION

- ¬ Capacitive touch screen with 5.7" Color-LCD (640 x 480)
- ¬ Ambient-light controlled brightness
- ¬ Configuration via LCD menus and Web browser
- ¬ Integrated database

INTERFACES

- ¬ Ethernet 10/100BaseT with RJ45 connector
- ¬ RS232/422/485 serial interface (Wiegand)
- ¬ 2 x Trigger Input - e.g. door bell, feedback contact
- ¬ 2 x Relay NO/NC - e.g. door opener, lights
- ¬ 2-wire interface on spring-clamp terminal (with optial 2-Wire-Kit)

PROTOCOLS

- ¬ SIP RFC 3261, compatible with all SIP (picture) telephones and softphones
- ¬ TCP/UDP/IP, RTP, HTTP, DNS, NTP, DHCP (client)

COMPLIANCE

- ¬ CE compliant
- ¬ EN55022, EN61000-3-2, EN61000-3-3, EN55024

ENVIRONMENTAL CONDITIONS

- ¬ Temperature range: -20 °C to +60 °C
- ¬ Humidity: up to 95% non condensing
- ¬ Ambient brightness: 0 to 50.000 lx

POWER SUPPLY

- ¬ Power-over-Ethernet (PoE), 802.3af and 802.3at
- ¬ Alternative power supply 24 V 0,5 A
- ¬ via 2-wire (with optional 2-Wire-Kit)

HOUSING

- ¬ Aluminium/ stainless steel housing for surface or flush mounting
- ¬ Anti-tamper contact
- ¬ Accelerometer against vandalism
- ¬ Weight 1.8 kg

CONTENT OF DELIVERY

- ¬ FaceEntry-XT/ TouchEntry-XT unit
- ¬ RFID cards
- ¬ Network cable
- ¬ User Manual
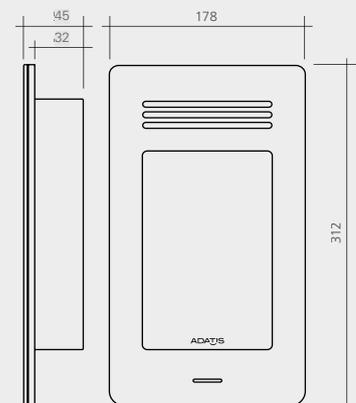- ¬ Mounting-Kit

ACCESSORIES

- ¬ 2-Wire-Kit: expansion board and converter box (see separate datasheet)
- ¬ LEGIC®-Option: expansion board (see separate datasheet)

DIMENSIONS

- ¬ Surface mounting: B 178 mm, H 312 mm, T 13 mm
- ¬ Flush mounting: B 178 mm, H 312 mm, T 45 mm

ORDERING INFORMATION

FUNCTIONS	3D Face Recognition	Order Code
FaceEntry-XT	yes	4100
TouchEntry-XT	no	2100

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