



Access Control Design

The crème de la crème

The top in access control. High-end technical possibilities in a contemporary, architectural design.

The system consists of different modules that can be combined according to the client's wishes



Technical advantages

- exclusive design, made of brushed and anodized aluminium, mounted on a matt black structure
- modular concept



- simple wiring system: plug&play concept
- available as flush or surface mounting version or built-in in separate columns
- made-to-measure solutions available (engravings, height etc.)
- UTP cabling to all system participants
- built-in power supply for the complete system
- LED lighting
- color camera
- TFT display
- vocal support, welcoming message
- with code keyboard, card reader or key contact

What is new?

- **surface mounting internal unit with new functionality**
- **addressable system**
 - programming between external and internal units
- **telephone exchange**
- **surface mounting external unit**



Flush mounting frame with front panel

Frame for flush mounting into an interior or exterior wall. Flat finish with a brushed or anodised aluminium front plate. The dimensions depend on the number of modules you wish to build in. The max. number of modules that can be built in is 8. The LED module is supplied as a standard. Also available with letterbox that can be lit at the back. With the flush mounting frame for 0 or 1 free modules, a non-adjustable LED module is supplied that has to be supplied by a 12VDC (power supply not supplied). In all other cases, an adjustable LED module is supplied that has to be supplied by the system via a flat cable. For deviant RAL colors, reference 16-640-99 (without letterbox) or 16-641-99 (with letterbox) has to be ordered. The order always has to be accompanied by a fully filled out and signed made-to-measure document (attachment in price list and catalogue or on request).

Flush mounting frame with front panel without letterbox

for 1 module	16-640-01	Pack: 1
for 2 modules	16-640-02	Pack: 1
for 3 modules	16-640-03	Pack: 1
for 4 modules	16-640-04	Pack: 1
for 5 modules	16-640-05	Pack: 1
for 6 modules	16-640-06	Pack: 1
for 7 modules	16-640-07	Pack: 1
for 8 modules	16-640-08	Pack: 1

Flush mounting frame with front panel and letterbox

for 4 modules, 0 free modules	16-641-04	Pack: 1
for 5 modules, 1 free module	16-641-05	Pack: 1
for 6 modules, 2 free modules	16-641-06	Pack: 1
for 7 modules, 3 free modules	16-641-07	Pack: 1
for 8 modules, 4 free modules	16-641-08	Pack: 1



Freestanding column

Freestanding column for anchoring in the ground. The column is available in two standard sizes, i.e. 1850mm and 900mm. The LED module is supplied as a standard. With the freestanding columns with room for 1 module, a non-adjustable LED module is supplied that has to be powered by a 12VDC power supply (power supply not supplied). In all other cases, an adjustable LED module is supplied that is supplied by the system via a flat cable.

For deviant lengths and/or RAL colors, reference 16-682-99 has to be ordered. The order always has to be accompanied by a fully filled and signed made-to-measure document (attachment in price list and catalogue or on request).

Height 185cm

for 1 module	16-682-01	Pack: 1
for 2 modules	16-682-02	Pack: 1
for 3 modules	16-682-03	Pack: 1
for 4 modules	16-682-04	Pack: 1
for 5 modules	16-682-05	Pack: 1

Height 90cm

for 1 module	16-682-11	Pack: 1
for 2 modules	16-682-12	Pack: 1

Column for integration in fence and/or entrance gate

Access column for integration in a fence and/or entrance gate. For every column, the desired front plate has to be chosen. This column can also be made-to-measure, so it perfectly fits your fence or gate. The two standard sizes are 1850mm and 900mm. The LED module is supplied as a standard and is supplied by the system via a flat cable. For deviant lengths and/or RAL colors, reference 16-680-99 has to be ordered. The order always has to be accompanied by a fully filled out and signed made-to-measure document (attachment in price list an catalogue or on request).

**Height 185cm**

Column	16-680	Pack: 1
Front plate with room for 1 module	16-680-01	Pack: 1
Front plate with room for 2 modules	16-680-02	Pack: 1
Front plate with room for 3 modules	16-680-03	Pack: 1
Front plate with room for 4 modules	16-680-04	Pack: 1
Front plate with room for 5 modules	16-680-05	Pack: 1

Height 90cm

Column	16-680-10	Pack: 1
Front plate with room for 1 module	16-680-11	Pack: 1
Front plate with room for 2 modules	16-680-12	Pack: 1

Surface mounting external unit

Surface mounting external unit with color camera. The external unit is provided with a brushed and anodised aluminium front plate. Available with 1 bell push (16-645) or 2 bell push button (16-646). For deviant RAL colors or personalisation of the bell push button, contact Niko.

**Complete units**

With 1 bell push button	16-645	Pack: 1
With 2 bell push buttons	16-646	Pack: 1

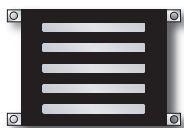


Doorbells

The push button of the doorbell is made of anodised aluminium and is provided with a mechanical brake to avoid pushing the button too hard. One external unit can contain max. 6 doorbells. Per external unit with doorbell, 1 doorbell with addressing has to be installed. Engravings and name cards are available on demand (see made-to-measure document as attachment to price list or on demand).

Modules

Doorbell aluminium	16-600	Pack: 1
Doorbell aluminium with addressing	16-602	Pack: 1
Doorbell plexi	16-600-01	Pack: 1
Doorbell with addressing, plexi	16-601	Pack: 1
Doorbell aluminium with engraving	16-600-99	Pack: 1
Doorbell aluminium with addressing and engravings	16-602-99	Pack: 1

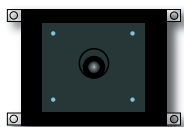


Door telephone

This door telephone is a high quality speech organ suitable for all standard environments. In case there is much environmental noise, both the microphone and the loudspeaker can be adjusted.

Modules

Door telephone with addressing	16-611	Pack: 1
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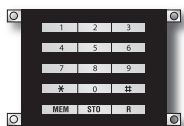


Color camera

The opening angle of the camera is 70°. The camera can be rotated by 15° in horizontal and/or vertical direction. The direction is fixed during installation. Thanks to the built-in LED lighting, no minimum brightness is required.

Modules

Color camera	16-620	Pack: 1
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Code keyboard

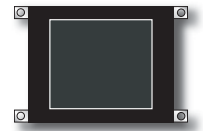
This is a code keyboard that can be used for controlling two relay outputs of the interface for the external unit 16-651. The module can save up to 100 user codes in the memory. Programming is carried out via the keyboard and is secured by a personal user code. In case of a power breakdown, the settings are not lost. The code keyboard can also be used as a stand-alone appliance thanks to 2 internal relays.

Modules

Code keyboard	16-612	Pack: 1
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Card reader

This module is used in combination with an electrical door opener. With the supplied electronic cards, a lock can be operated via relay I of the interface for the external unit. The administrator can allow or refuse access for every individual electronic card. In case of a power breakdown, the settings are not lost. The card reader is always used in combination with a door bell module and the interface for external unit.



Modules

Card reader incl. 10 cards	16-616	Pack: 1
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Accessories

Set of 10 electronic cards	16-616-01	Pack: 1
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Key contacts

This module allows to control the two relays of the interface for external unit 16-651 by means of ordinary keys. As a standard, two keys are supplied. A module with engraving is available on demand.



Modules

Key contact with hinged lid	16-614	Pack: 1
Key contact with engraved hinged lid	16-614-99	Pack: 1

Blind plates

If you wish to provide some place for possible future extensions, you can place a blind plate. Module with engraving available on demand.



Modules

Blind plate, mat black enamelled	16-609	Pack: 1
Blind plate, anodised aluminium	16-609-01	Pack: 1
Blind plate, anodized aluminium with engraving	16-609-99	Pack: 1



Surface mounting internal units

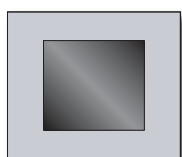
This videophone enables you to see a color image of your visitor while talking to him. This appliance is as a standard supplied as surface mounting appliance. By means of a number of additional keys, the camera image can be switched during a conversation and the light intensity and image contrast can be adjusted. Due to its connection to a telephone exchange, the videophone can be considered and used as an ordinary, analog telephone.

Complete units

Surface mounting internal unit	16-661-01	Pack: 1
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Accessories

Base for table mounting	16-660-01	Pack: 1
Flush mounting frame for videophone	16-660-02	Pack: 1



Stand-alone LCD display with base

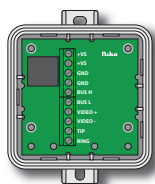
The LCD display is designed for displaying the image of your visitor. This is a very handy way to see who's at the door in different rooms of your house. The display can also be linked to existing telephones. The LCD display is delivered with a base for mounting on a horizontal surface as a standard. The display can tilted, so you look at it perpendicularly.

Complete units

LCD display	16-666-01	Pack: 1
LCD display with flush mounting frame for hollow wall	16-667	Pack: 1

Accessories

Flush mounting box for mounting the LCD display in a full wall	16-667-01	Pack: 1
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Cable convertor UTP-ATCUG

The cable convertor is used for converting a RJ45 connector to a screw connection and vice versa. This way, cables with larger sections can be used (e.g. ATCUG) for covering larger distances. If the cable convertor is mounted correctly, a protection degree of IP55 can be reached.

Complete units

Cable convertor UTP - ATCUG	16-679-01	Pack: 1
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Interface for external unit

Interface for external unit in 19" cover for access control and door communication. It provides the connection between the control functions that are located outside the external unit and the video splitter or switcher. The interface is provided with 2 independant door open relays.



Complete units

Interface	16-651	Pack: 1
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Splitter 3

Splitter 3 is used to display the image of 1 external unit on max. 3 internal units. Splitter 3 provides the whole system with the necessary power via a star-shaped UTP cabling (cat. 5E). The splitter print is provided with a screw connector for connection to the telephone exchange (with analog internal lines).



Complete units

Splitter 3	16-670	Pack: 1
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Splitter 8

Splitter 8 is used to display the image of 1 external unit on max. 8 internal units. Splitter 8 provides the whole system with the necessary power via a star-shaped UTP cabling (cat. 5E). The splitter print is provided with a screw connector for connection to the telephone exchange (with analog internal lines).



Complete units

Splitter 8	16-672	Pack: 1
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Switcher 4 + 8

Switcher 4 + 8 is used to display the image of 4 external units on max. 8 internal units one by one. Switcher 4 + 8 provides the whole system with the necessary power via a star-shaped UTP cabling (cat. 5E). The splitter print is provided with a screw connector for connection of the internal units to the telephone exchange (with analog internal lines).



Complete units

Switcher 4 + 8	16-676-01	Pack: 1
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Telephone exchange PABX 2/8

To the analog telephone exchange, up to 2 analog external lines and up to 8 analog internal lines can be connected. The exchange automatically detects the connected lines and adapts to the parameters of the line for an optimum sound quality. The exchange is provided with: number and name display, group calls, adjustable ring rhythms, day and night setting, waiting music, abbreviated numbers, fax selection etc. The exchange is provided with two low-voltage relays that can be controlled by every connected appliance. The exchange can be completely personalized by means of the supplied configuration program Easy Setup.



Complete units

Telephone exchange PABX 2/8

16-678

Pack: 1

**PC pack**

This pack consists of a universal module, a USB convertor for the video signal, extensive software and the required cables. While you are working on your computer, the image of the visitor is displayed on your screen. The door can be opened or the image of your visitor can be saved on your computer by a simple mouse click. Even when you are absent, the image of your visitor(s) can be saved on your computer. One pack required per PC.

Complete units

PC pack

16-653-01

Pack: 1

**Universal module**

With this module, you can display the image that comes in via UTP on your screen via the coax or scart output. The image comes in via the splitter or switcher of the system. Power is provided via the system. A 12V DC (0,3A) output or a potentialfree contact are provided for controlling a security camera every time an image is registered. An ordinary telephone can also be connected. This way, you can communicate with your visitor while the image is displayed on the screen. The module is also provided with an RS232 output. In case the module is used as a stand-alone appliance, it has to be powered via an adapter.

Complete units

Universal module

16-656-01

Pack: 1

**Camera interface**

Via the camera interface, an external camera can be connected to the addressable system. The external camera can be provided with the required power via the 12V output that is activated by a motion detector or an N.O. push button contact that can be connected to the camera module. The activation time of the external camera can be set on the module. The camera interface has to be connected to a free switcher input.

Complete units

Camera interface

16-657-01

Pack: 1

