SSS SIEDLE

Planning Manual
Siedle Access

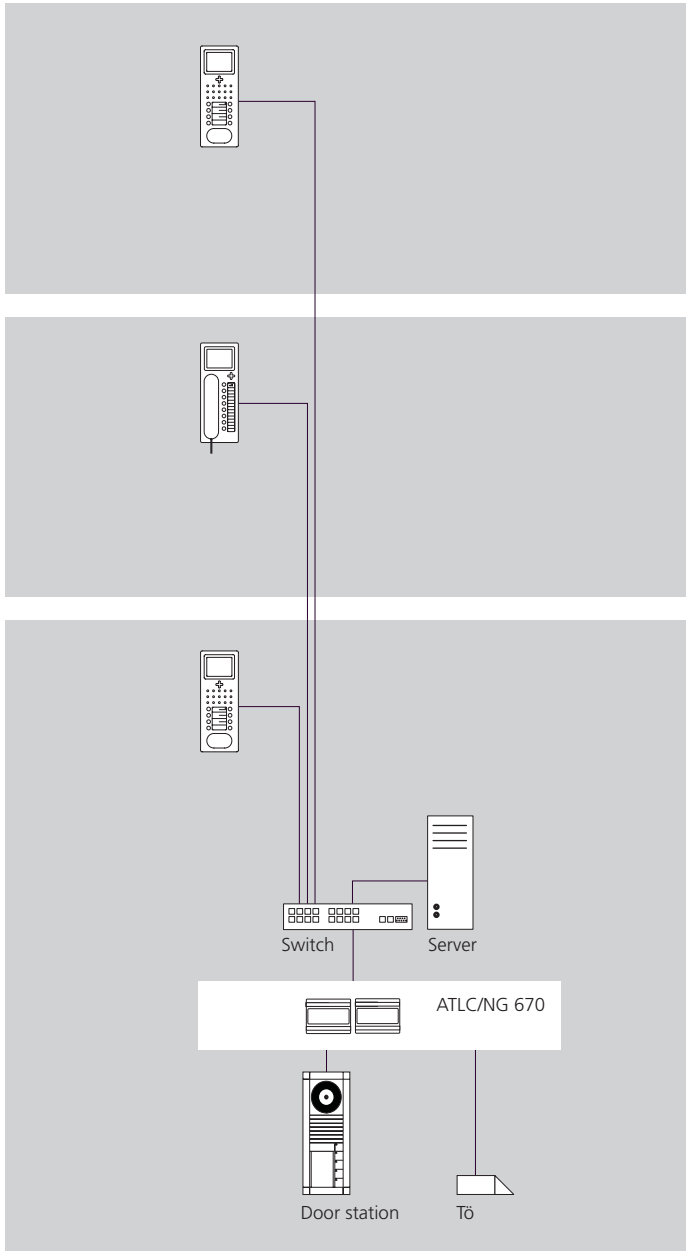
Issue 2013

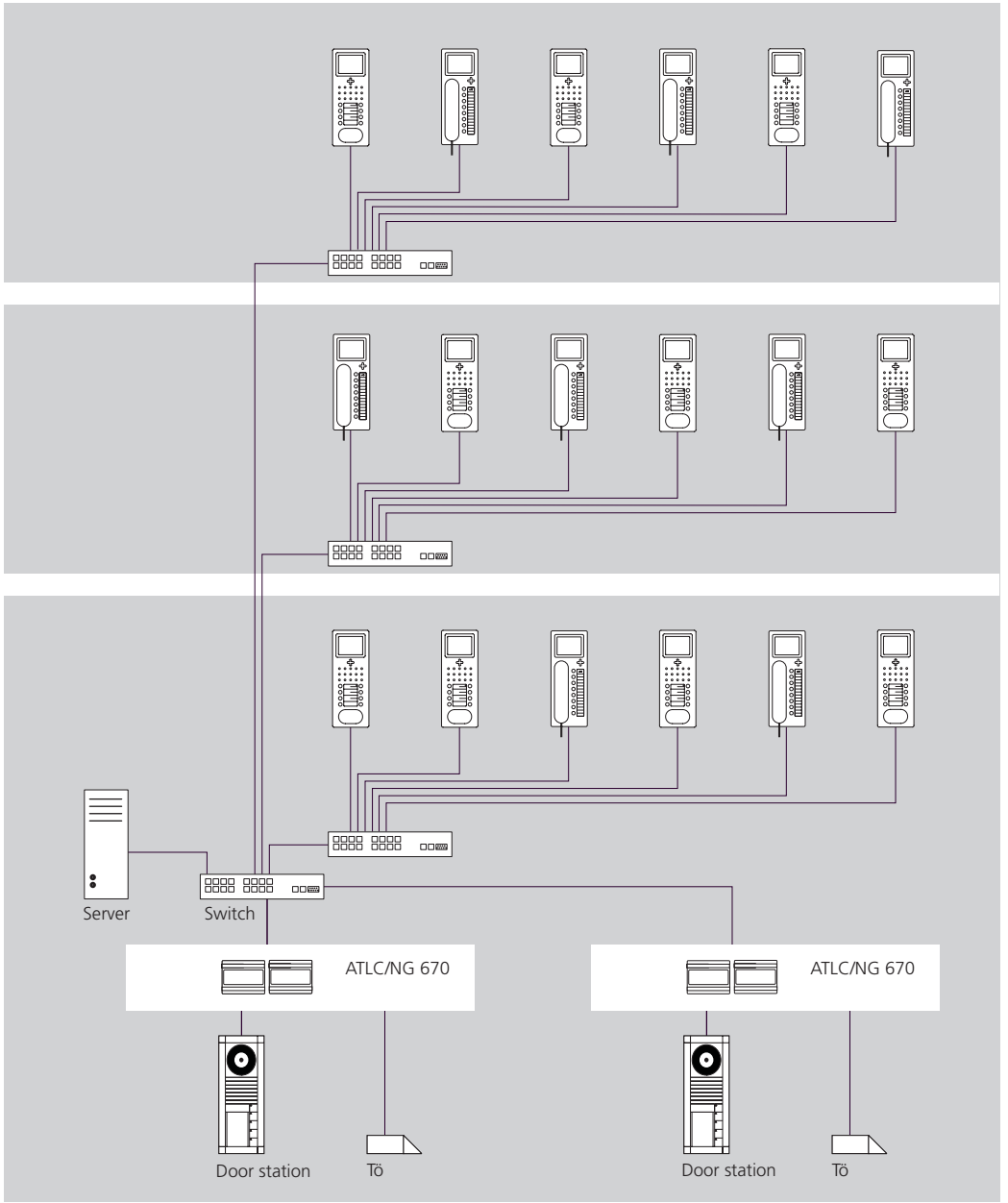
Contents

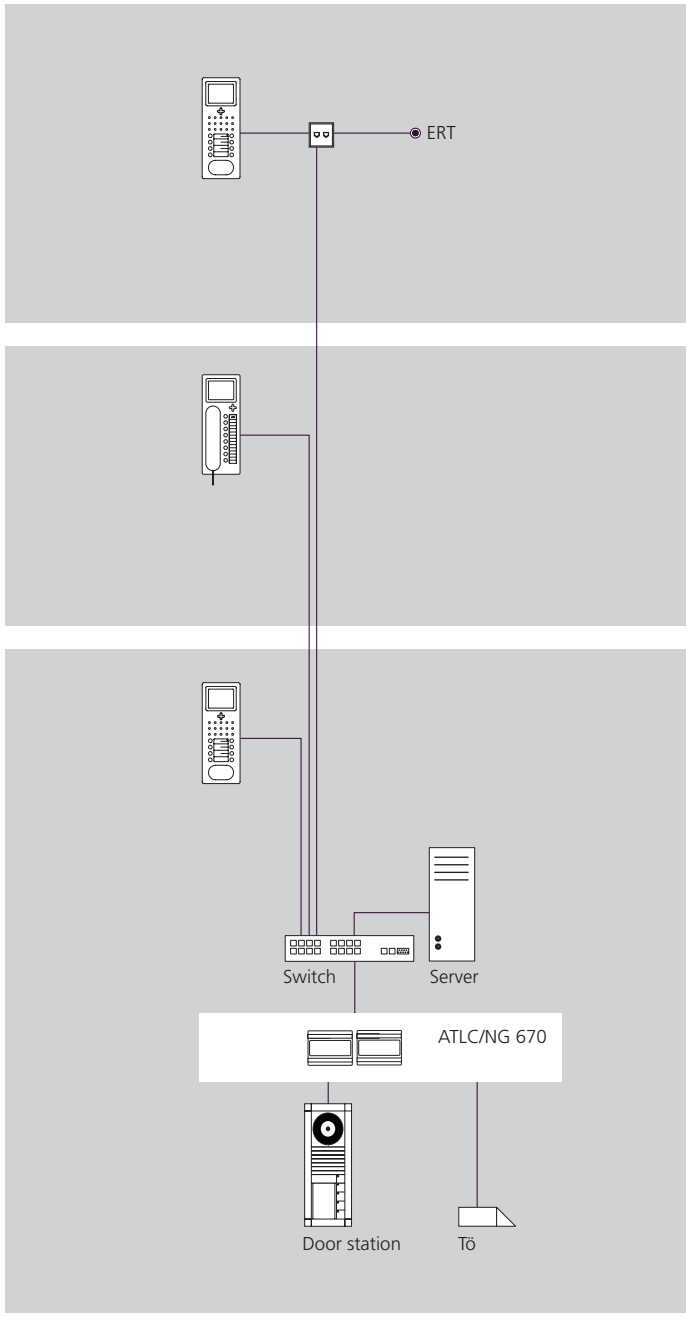
For complex systems or special requirements, the technical consultants in Project Sales will be pleased to advise you.

Access in general

Siedle Access is a server-based IP system for building communication. It offers the whole breadth of Siedle communication system functionality, from the speech or video connection through concierge functionality to complex switching and control functions. Access works in its own IP network.
Central management on the Access server permits configuration and administration both over the web browser and remotely. In addition, it facilitates system upgrading by adding and exchanging devices or licence models (e.g. function licences, licences for the use of external makes such as IP cameras, VoIP telephones, IP-I/O devices).
The system utilizes the network protocols TCP/IP and UDP, as well as SIP for internet telephony (VoIP), extended to include an access-specific data protocol. The audio encoding standard (G.711) and video encoding standard (H.264) guarantee high picture and tone quality with minimal network loading.







All indoor devices are always connected via an RJ45 8/8 network outlet. This is divided into two sockets.
The left-hand socket is reserved for the network (LAN area).
The right-hand socket is independent of the network and is used for connecting other control elements permitting additional uses.
Supplementary functions such as a storey call button are also connected via the RJ45 network outlet (right-hand socket/side).

Fields of application

Projects with
- a large number of users (door stations and/or indoor devices) and long distances
- stringent demands on audio and video transmission
- several (also geographically) separate building sections
- concierge and surveillance functions
- heterogeneous utilization (private and commercial mixed use)
- fundamental requirement for structured cabling and IP technology

Performance features

Access offers
- Simple planning and installation in conformity with standards
- PC-based one-man commissioning
- Secure platform-independent configuration via customary web browser (also remote configuration by remote monitoring)
- More than 1000 users in the system
- Multiple parallel video and speech circuits in the system
- Full duplex speech connection
- Optional group formation (e.g. for announcements)
- Call memory with call list and video memory
- Polyphonic ringtones
- Indoor devices supplied by PoE (Power over Ethernet) in accordance with IEEE802.3af
- Server for central system management
- Call rerouting, call forwarding and call follow-me function
- Call differentiation in terminals
- Door call via call display or code lock keypad
- Storey door loudspeaker (with and without video) and storey door release
- Intercom functionality
- Display of messages, statuses, or arriving calls in plain text at devices with displays
- Optional prioritized signalling system
- Efficient PC-based concierge workstation with video surveillance functionality and processing of prioritized messages (can alternatively, additionally or temporarily be connected via the Internet)
- Scan mode for connected cameras
- Integration of external cameras
- Integration of SIP audio, SIP video and a/b telephones
- System link to public network telephone systems and telephone systems conforming to the SIP standard
- Update capability of all Siedle IP products

Components

Door components

ATLM 670-0
Access door loudspeaker module

BTM 650-01 to 04
Bus call button module

ACM 670-0
Access camera module

DRM 611-01
Display call module

COM 611-02
Code lock module

ELM 611-01
Electronic-key reading module

FPM 611-02
Fingerprint module

ATLE 670-0
Access custom-fit door loudspeaker incl. Bus call button matrix

BRMA 050-01
Bus call button matrix

Indoor devices

AHT 870-0
Access in-house telephone

AHTV 870-0
Access video in-house telephone

AHF 870-0
Access handsfree telephone

AHFV 870-0
Access video handsfree telephone

ASHT 170-0
Access Software In-house telephone

ASC 170-0
Access Software Concierge

Accessories

AZA 870-0
Access surface-mount accessory

AZTV 870-0
Access table-top accessory

AZIO 870-0
Access input/output accessory

Licences

ALFA 270-0
Access licence for external audio device

ALFV 270-0
Access licence for external video device

ALT 270-0
Access licence for telephony connection

ALFS 270-0
Access licence for external smartphone

ALFT 270-0
Access licence for external tablet

ALKNX 270-0 <50
Access licence for KNX connection

ALKNX 270-0 <300
Access licence for KNX connection

ALKNX 270-0 <1000
Access licence for KNX connection

Distribution components

ATLC/NG 670-0
Access door loudspeaker controller with line rectifier

AIVS 670-0
Access Interface analog-video standard

AS 670-0 S
Access Server S

AS 670-0 M
Access Server M

AS 670-0 L
Access Server L

VNG 602-02
Video line rectifier

TR 603-0
Transformer

TR 602-01
Transformer

EC 602-03
Entrance controller

ECE 602-0
Entrance controller extension

TCIP 603-03
Door controller IP

TCIP SRV 603-0
Door controller IP server

Space requirement in the distributor

Devices	unit width/TE
ATLC/NG 670-0	2 x 6
AS 670-0 S	3 x 12
VNG 602-02	10
TR 603-0	3
EC 602-03	6
ECE 602-0	3
TR 602-01	6
TCIP 603-03	8

Please plan sufficient reserve for subsequent upgrading.

Distribution external devices
Used routers/switches must have PoE capability with IEEE802.3af, e.g. Cisco, Netgear, D-Link, HP etc.
The power supply to terminals using PoE must be ensured on site.

External devices

For many requirements and ideas, the market is flooded by a large number of devices. Communication and compatibility between the different components can sometimes be an issue. For this reason, it is advisable to make contact at an early stage with our project sales department.
We are currently able to offer recommendations for the following areas.

- Analogue telephone adapter ATA
- SIP telephone
- Switch actuators
- KNX
- VoIP
- Interface ISDN telephone system

If required, we are glad to also test other interesting areas.

Commissioning

Coordination/initial commissioning of an Access system must be performed by Siedle or an Access Certified Partner. The system must be ready installed, documented and made ready for operation (see commissioning requirements) by the date of commissioning.
Access to all parts of the system must be guaranteed, the system administrator must be available. Commissioning is performed against a charge. The relevant charging rates are shown in the quotation/the commissioning form sheet.

Commissioning requirements
Installation
- The installation complies with structured cabling requirements as outlined in DIN 50173-1. A suitable network plan is provided
- All necessary network connections are available
- The cabling complies with at least Category 5

Network
- Dedicated network for the Siedle intercom system or VLAN with quality of service (IEEE802.1p) of at least 100 MBit/s bandwidth
- Multicasting capability (incl. routers, switches)
- At least 100Base Tx
- No hubs or repeaters present in the network
- The network is fully configured and ready for service
- Switches for in-house telephones are POE capable in accordance with IEEE802.3af (all ports for HT are POE supplied)

Call number table
- (who is calling whom and how) is available, KNX configuration is clarified
- Required key configuration available

Commissioning encompasses the following services
- Review of submitted documents
- Initialization of the system (server)
- Identification and assignment of devices used, licensing arrangements
- Set-up and configuration of door stations
- Set-up and configuration of indoor stations
- Set-up and configuration of software clients
- Set-up and configuration of gateways (connection of non-Siedle devices)
- Instruction and data transfer to the administrator/user on site

Warranty

Siedle guarantees the configurable functions and system characteristics of hardware and software supplied by Siedle only if commissioning can be proven to have been performed through the Siedle Access Competence Center or one of our Access Certified Partners. This does not affect the statutory rights of the customer to receive fault-free products.

Recommendation

Operating manual
Siedle recommends compiling an operating manual to document the network and the Access system.
The operating manual must be accessible to servicing personnel and contain fundamental information:
- Contact data of the system administrator (with deputization arrangements)
- Hardware list
- Documentation of the server configuration
- Server backup
- Documentation of the software status and device configuration
- Construction plan with structured cabling (LAN policy)
- Issue of passwords and possibilities for remote login access
- IP address and device names of the network components
- Process descriptions (e.g. creating a user, exchanging devices etc.)
- Documentation of changes made
- Documentation of errors/ remedy of errors

Updates and maintenance
The software for all Siedle Access products with network connection is capable of updating.
The updates for system components can be centrally imported via the Access server. Current updates and new performance features are available for downloading from www.siedle.de. The software status of the Access system must be stored in the operating manual.
Ensure that the active network components (switches, routers, firewall) are working with the latest software status.
Siedle Access permits system access by remote login for maintenance and troubleshooting.
For this purpose, online access to the Access server is required.

General information
The basis for planning an Access system is an IP network configured in accordance with specifications for creating structured cabling (as described under Network cabling).
The purpose of the Access security concept is to ensure that network cabling terminates not outside the door but with the ATLC/NG 670-... Consequently, the door connection (as described under cabling in the door area) is not a constituent part of the IP network.
For positioning of the Access devices and network components, it is advisable to provide a construction plan. This should take into consideration the length restrictions of the connection types such as copper and optical fibres.
The space requirement of network components and Siedle devices must be determined and taken into consideration.
Siedle recommends drawing up a schematic drawing of the network structure and the used Siedle devices. Logical and self-explanatory names should be assigned to the various devices, for example FL1AP5 for 1st floor, apartment 5. All cable segments between active components should be listed in an index showing their name, cable length and cable type.

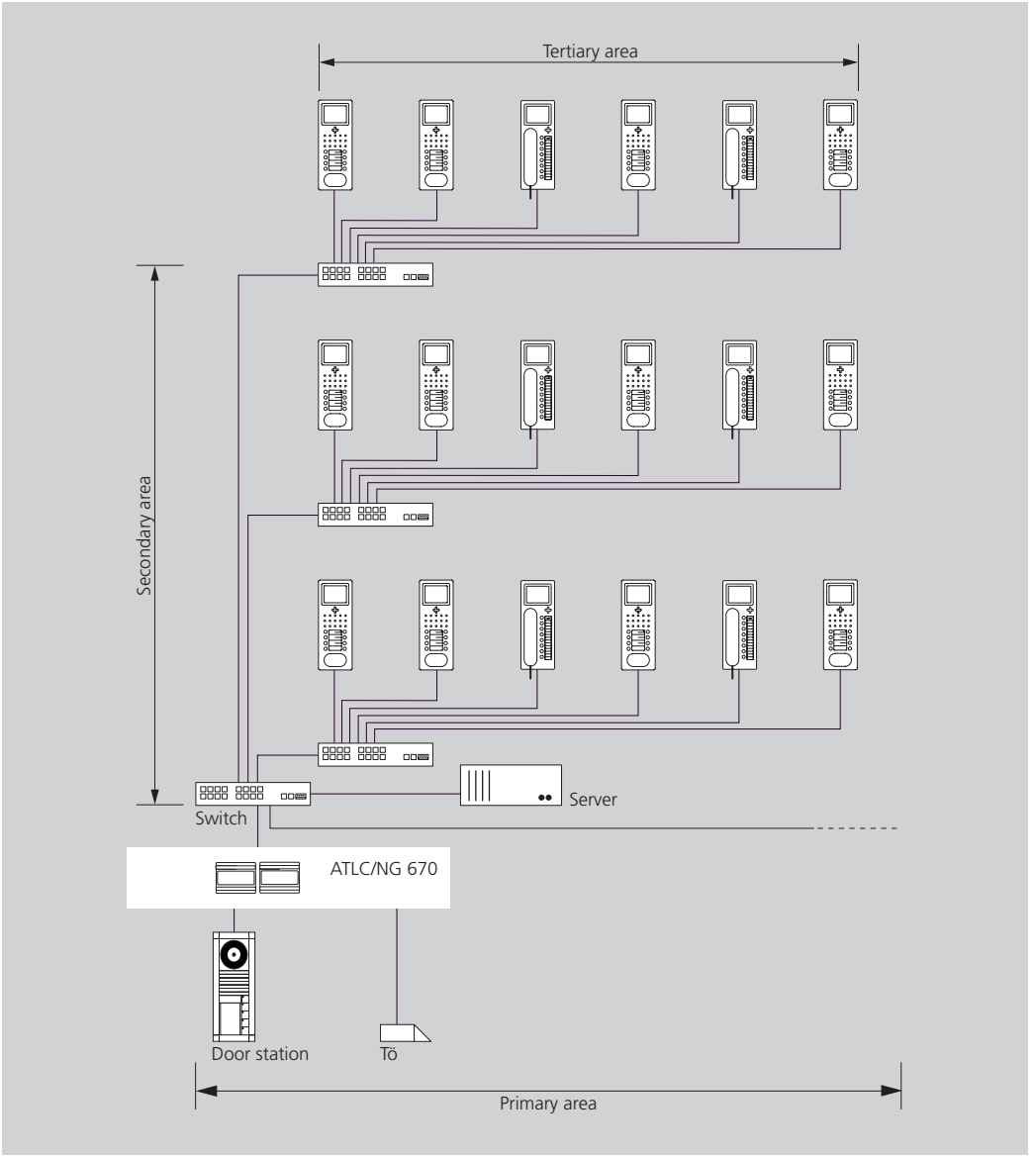
In order to permit correctly controlled server shutdown, we recommend including a UPS (uninterruptible power supply) unit in the planning.

Network cabling
The requirement for integration of an Access system is a network infrastructure created in accordance with the stipulations for generic cabling (from Category 5).
Rules for generic cabling are set out in various standards:
• DIN 50173-1 General requirements
For individual building types, the following standards apply in addition:
• DIN 50173-2 (ISO/IEC 11801) for office buildings
• DIN 50173-3 (ISO/IEC 24702) for industrially used locations
• DIN 50173-4 (ISO/IEC 15018) for apartments
Internationally, the ISO/IEC standards apply.

Cabling structure/areas
The cabling is broken down into 3 areas.
Primary area
Fibre optic cables
Cabling between individual buildings and/or within buildings between several main building distributors.
In the case of copper wire connections, adequate equipotential bonding must be guaranteed.

Secondary area
Fibre optic cables
The storeys are networked by means of storey distributors. Both fibre optic and copper connections can be used. This is dependent upon the switches used and their distance from the main distributor/switch.

Tertiary area
Twisted pair for fixed installation plus patch cable for cabling from the network junction box to the terminal.



Network characteristics:
- Maximum of 50 ms delay in one direction (one way delay)
- Maximum of 100 ms total delay
- Packet loss < 1%
- Maximum of 20 ms jitter

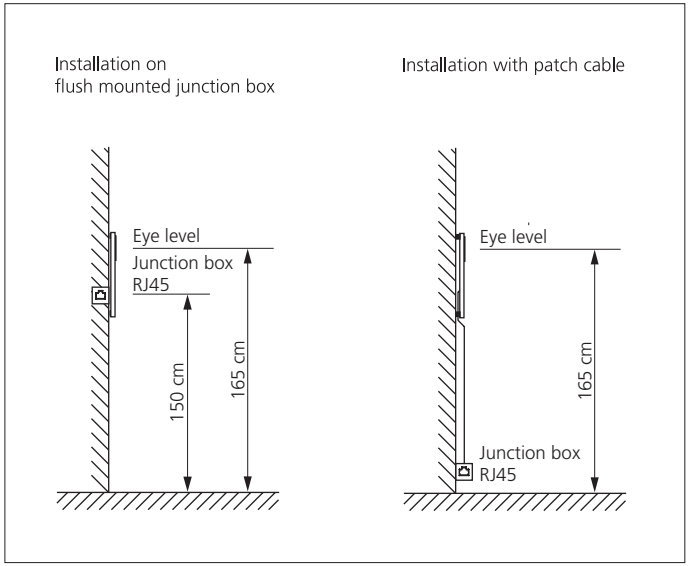
Supplementary functions
Additional functions such as the connection of a storey call button ERT for an external signalling device are executed directly at the network outlet assigned to this function. The range between ERT and the indoor device is max. 50 m (Cat 5 AWG22).

Cabling in the door area
The IP network terminates with the ATLC/NG 670-...
To protect against unauthorized access, the ATLC/NG 670-... must be accommodated without fail inside the building.
The cabling from the ATLC/NG 670-... to the door station is executed in the conventional way.

Conductor material	
CAT	AWG22
J-Y(ST)Y	twisted pair conductors, shielded

Range
Door controller to door station
CAT AWG22 = 120 m
J-Y(St)Y ø 0,6 mm = 100 m
J-Y(St)Y ø 0,8 mm = 200 m

Cabling for indoor devices
The Access indoor devices can be installed without problems using standard RJ45 flush mounting network junction boxes.
In this case, simply install the network junction box without the frame and panel. The Siedle indoor device can be mounted above the junction box and connected to the network with a plug-in connector.



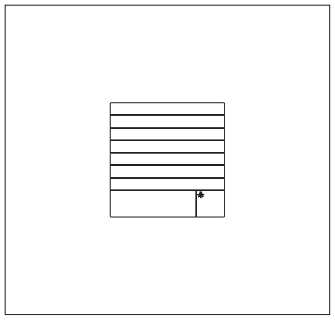
Ideally, an RJ45 flush mounted junction box should be positioned at the mounting height for the indoor device (display height less 15 cm).

Mounting with Access surface mounting accessory AZA 870-... and patch cable provided on site.

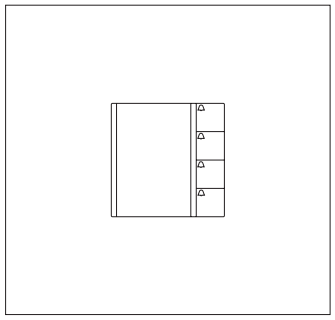
Supply limits ATLC/NG 670-...				
ATLM 670-...	**BTM 650-...**	**ACM 670-...**	**COM/DRM 611-...**	**AIVS 670-.../external camera**
1	10	1	-	-
1	1	1	1	-
1	2	-	-	1 CEC 612 supply via AIVS 670-... from the ATLM 670-...
1	26	-	-	1 CEC 612 -... or 1 KA/WG 950-..., supply via AIVS 670-... installed directly from the ATLC/NG
Further combination possibilities must be clarified during the project engineering phase				

Device description
Door station

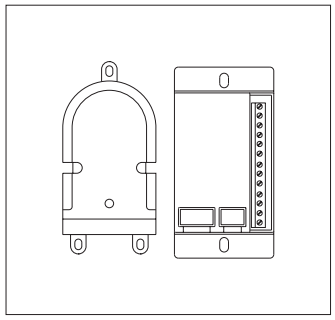
Custom-fit door loudspeaker



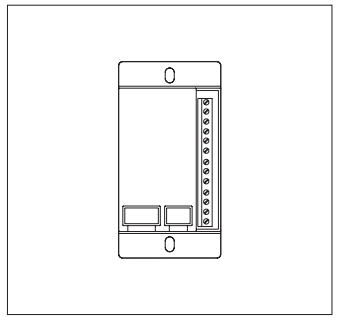
ATLM 670-0
Access door loudspeaker module in 611 Vario design. Complete module with loudspeaker, microphone and light button with LED illuminated light symbol.
Up to max. 48 call button modules can be connected in any optional combination, allowing up to max. 192 users.
Acoustic feedback when actuating the call button at the BTM 650-01 to -04 optional.



BTM 650-01 to 04
Bus call button modules BTM 650-... with 1, 2, 3 or 4 call buttons. The BTM 650-... is connected to the ATLM 670-... via ribbon cable.



ATLE 670-0
Access custom-fit door loudspeaker with bus call button matrix for mounting in a loudspeaker compartment, door constructions, letterboxes etc.
12 of the client's own call buttons can be directly connected at the bus call button matrix BRMA 050-...
Control output for external camera, connection of existing buttons via BRMA 050-...

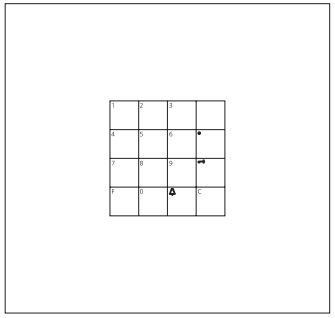


BRMA 050-01
Bus call button matrix for the connection of existing call buttons to the custom-fit door loudspeaker BTLE 050-.../ ATLE 670-...

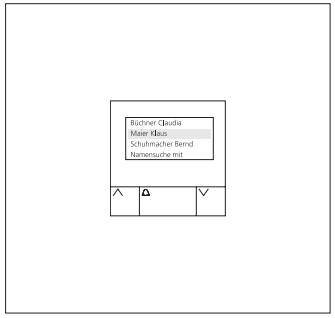
Max. 14 BRMA 050-... can be connected to 1 BTLE 050-...
Max. 16 BRMA 050-... can be connected to 1 ATLE 670-...

Door release
Siedle door release units are high-resistance > 20 Ohm and provide operating reliability even over long ranges.
Standard commercially available door release units 8 – 12 V AC, 20 Ohm can be connected.

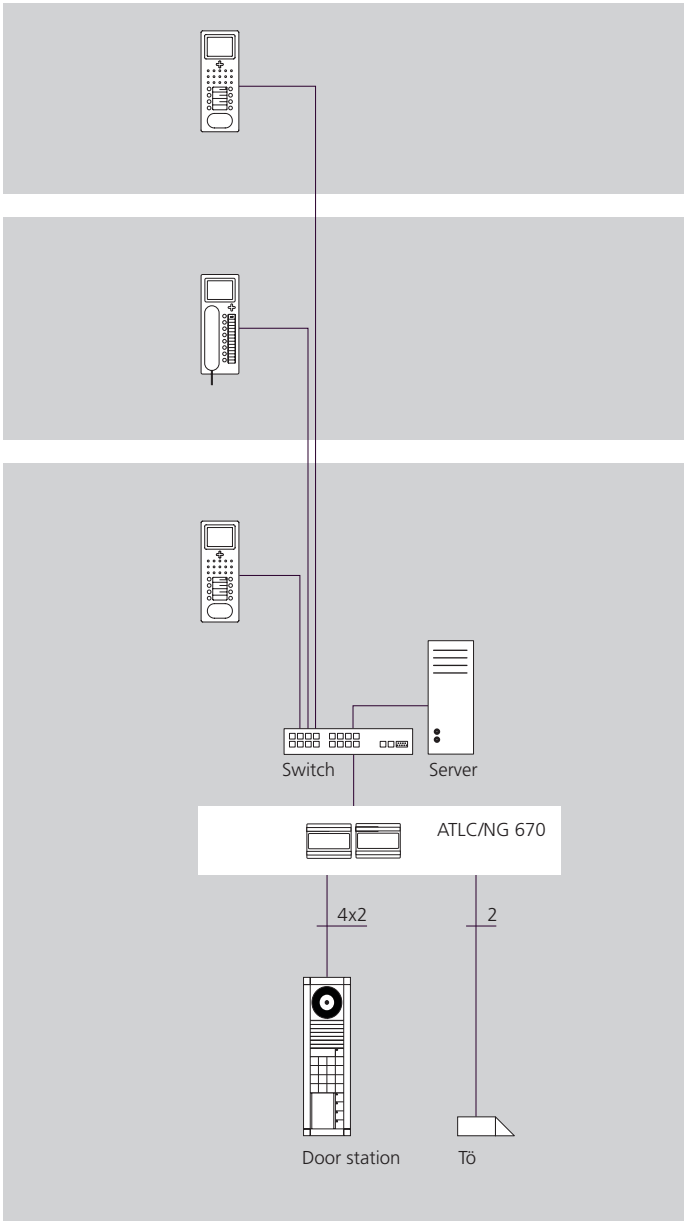
COM/DRM 611-... as call module



COM 611-02
Code lock module as an input device for the placement of door calls and control functions in conjunction with Access and the Siedle access control system.
• With keypad for making calls or
• For controlling in conjunction with the Easikey controller EC 602...
• C button for cancelling incorrect inputs
• DR button for direct door release via the EC 602-...



DRM 611-01
Display call module as an input device with 4-line display for placing door calls.
Indication of names in the display in alphabetical order.
The DRM 611-... can also be used in combination with the COM 611-... in order to display the input via the COM 611-...



Device description
Cameras

Application/General
Video cameras operating with the Vario door loudspeaker or externally in the background provide an unobtrusive method of surveillance in the entrance area. Call, speech and door release operation of the door station. The visitor appears on screen at one or more of the video call stations.

Possible applications include single and multiple family homes, private/commercial premises, practices and surgeries, administrative buildings etc.

Other video components for special applications can be combined with our devices on request.

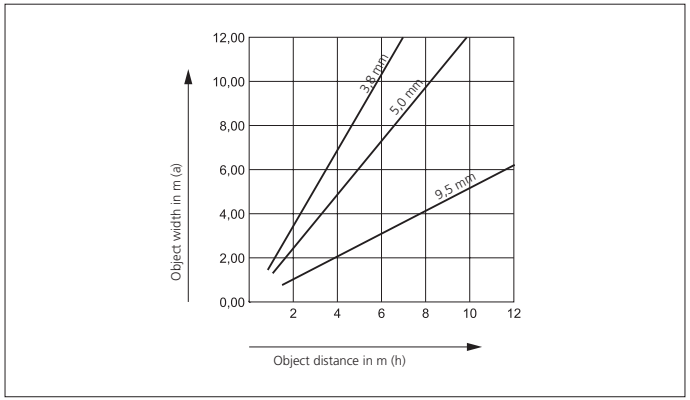
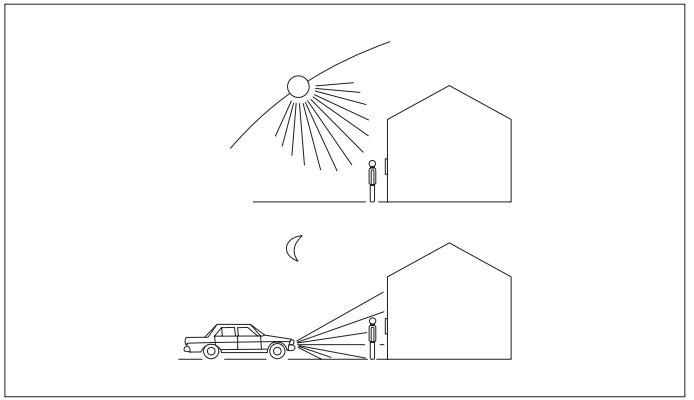


Diagram showing the pick-up range of external camera CEC 612 with image pick-up chip 1/3".



Location of the video camera
Selection of the most suitable camera and its location is decisive to ensure good picture quality. The camera must not be directed towards:

- Direct backlight
- Direct sunlight
- Picture backgrounds with a high degree of brightness
- Highly reflective walls
- Lamps or light sources etc.

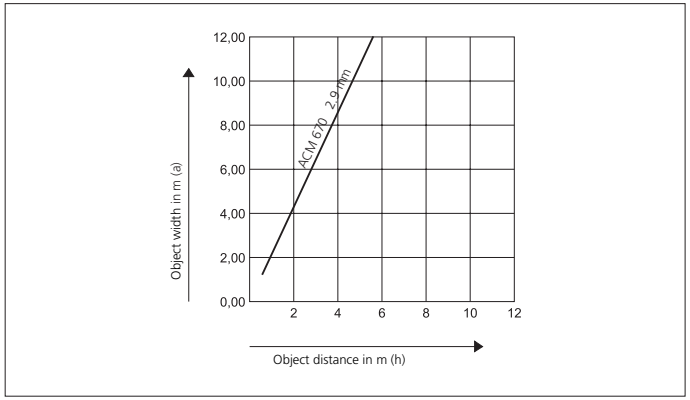


Diagram pickup range
Camera ACM 670-... with image pick-up chip 1/3".

If the range of the camera module is not sufficient, external cameras such as the CEC 612-... or KA/WG 950-... can be used.

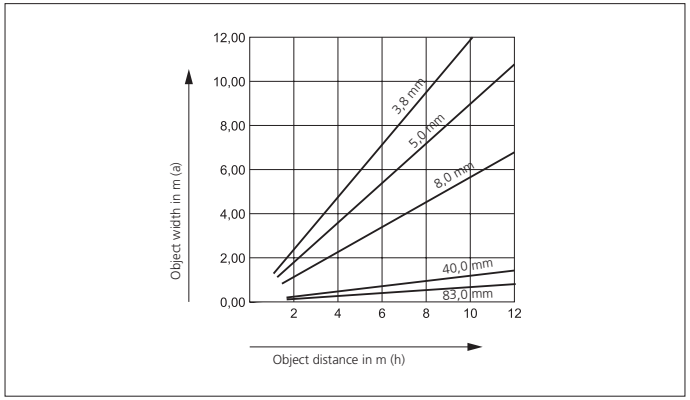
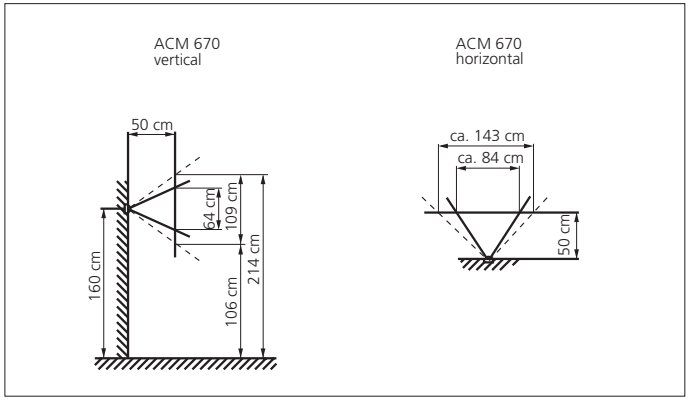


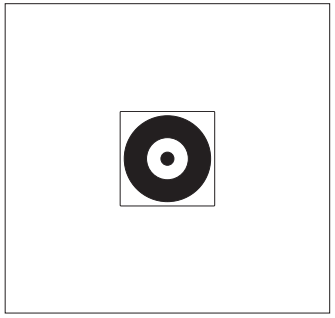
Diagram showing the pick-up range of the KA/WG 950-... with image pick-up chip 1/4".



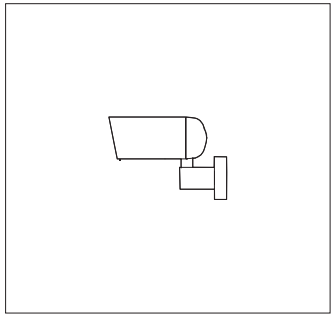
Pick-up range of the camera module ACM 670-...

The adjustment range of the ACM 670-... is indicated by shading

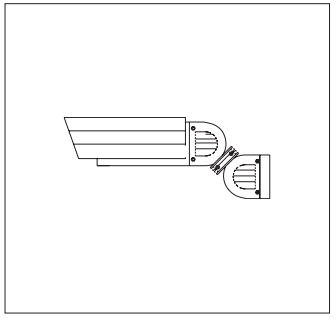
Cameras



ACM 670-0
Access camera module for mounting in Siedle Vario 611-housing.
Performance features:
• Integrated heating with 2-stage temperature control
• Infrared lighting and control electronics
• Colour system PAL
• Image pick-up CCD sensor 8.4 mm (1/3") 752 x 582 pixel (horizontal/vertical)
• Lens attachment 2.9 mm
• Automatic day/night switchover at approx. 4 lux (from colour to monochrome) for optimized quality
• Pick-up angle vertical 60°, horizontal 80°
• Additional mechanical adjustment range 30° horizontal and vertical
• Horizontal resolution 450 lines

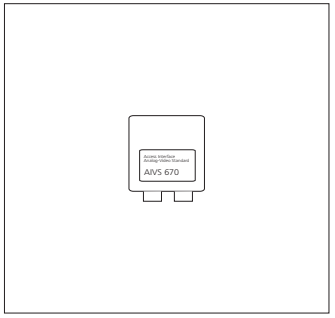


CEC 612-0
Day/night CCD video camera for external mounting, in weather-proof housing and wall arm with ball head, internal cable routing.
• Image pick-up colour CCD sensor 8.4 mm (1/3"); 752 (H) x 582 (V) 440.000 pixel
• Zoom-lens attachment 3.8–9.5 mm, F 1,2, with IR filter, automatic swivel action
• Pick-up angle 74°–30°
• Light sensitivity 0.5 Lux in colour mode and 0.24 Lux in monochrome mode, each at F 1.2
• Backlight compensation
• Automatic white balance
• Resolution horizontal 480 TV lines
• Video signal 1 Vpp, FBAS, at 75 Ohm

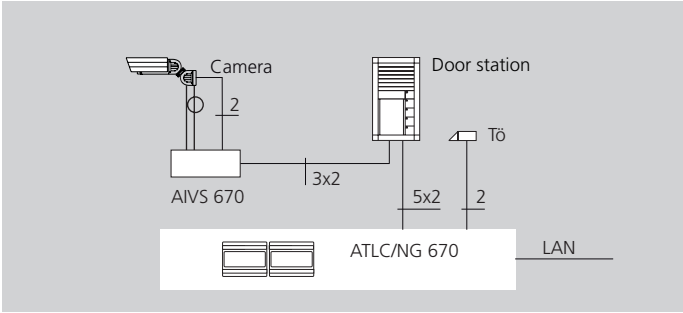


KA/WG 950-0 C
Day/night CCD video camera for external mounting, with weather-proof housing and sun shade, wall arm with ball head and internal wiring.
• Image pick-up colour CCD sensor 6.3 mm (1/4"); 752 (H) x 582 (V) 400,000 pixel
• Lens attachment 3.9–85.9 mm without IR filter
• Pick-up angle 50°–2.5°
• Light sensitivity 0.8 Lux at F 1,2
• Resolution horizontal 480 TV lines
• Video signal 1 Vpp at 75 Ohm
• Connecting cable in wall arm

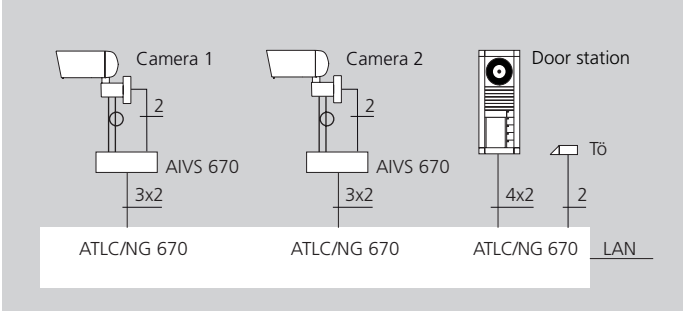
ZNF 950-0
Line rectifier foot accessory for the camera KA/WG 950-..., for supplying from the 230 V network.



AIVS 670-0
Access analog video standard interface in surface-mount housing for connection of an analog camera to the ATLC 670-...
Following a door call, the picture from the analog camera automatically appears on the Access indoor call station. Manual selection of the door is also possible. The camera cannot be controlled.

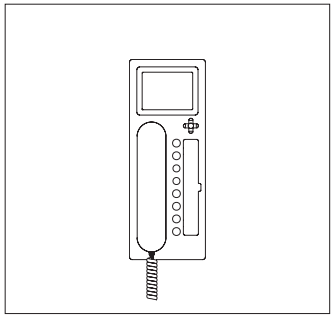


External analogue camera in connection with AIVS 670-... to ATLC/NG 670-...

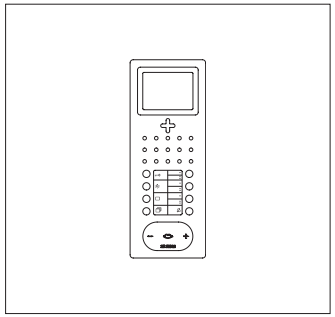


Video door station with additional external analogue cameras. One ATLC/NG 670-... is required per camera.

Device description
Audio indoor devices

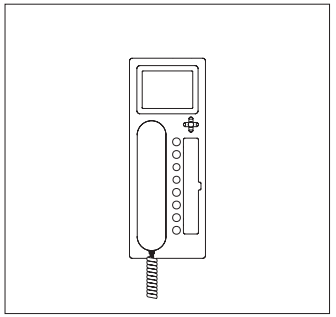


AHT 870-0
Access in-house telephone with door release button and 7 additional buttons with 2-colour status LED. All buttons are freely programmable. The display shows the graphic menu interface, but not a camera image. It is possible to upgrade to a fully functional video station.
With the functions calling, speech, door release, light, remote switching and call silencing.
With the additional purchase of licence ALUV 270-..., the AHT 870-... can be converted into a fully functional indoor video device.
Performance features:
- Display 8.8 cm
- Entrance for storey calls
- Exit freely programmable
- Call differentiation between door calls, storey calls, indoor calls and concierge calls
- Switching functions
- Status indications
- Can be used with table-top accessory AZTV 870-... as a table-top device

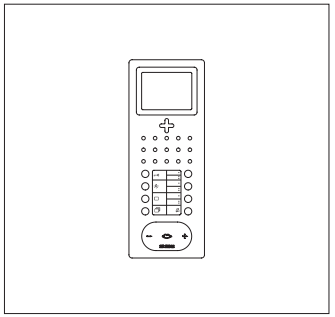


AHF 870-0
Access handsfree telephone with speech/control button, door release button and 7 additional buttons with 2-colour status LED. All buttons are freely programmable. The display shows the graphic menu interface, but not a camera image. It is possible to upgrade to a fully functional video station.
With the functions calling, speech, door release, light, remote switching and call silencing.
With the additional purchase of licence ALUV 270-... the AHF 870-... can be converted into a fully functional indoor video device.
Performance features:
- Display 8.8 cm
- Entrance for storey calls
- Exit freely programmable
- Call differentiation between door calls, storey calls, indoor calls and concierge calls
- Switching functions
- Status indications
- Can be used with table-top accessory AZTV 870-... as a table-top device

Video indoor devices



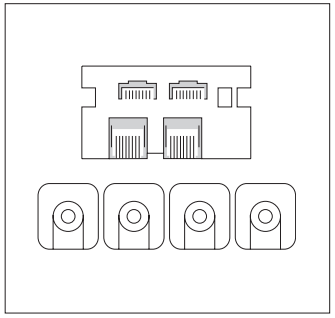
AHTV 870-0
Access in-house telephone video with door release button and 7 additional buttons with 2-colour status LED. All buttons are freely programmable. The display shows the camera image and the graphic menu interface.
With the functions calling, speech, door release, vision, light, remote switching and call silencing.
Performance features:
- Display 8.8 cm
- Entrance for storey calls
- Exit freely programmable
- Call differentiation between door calls, storey calls, indoor calls and concierge calls
- Switching functions
- Status indications
- Video memory function
- Integrated 5-way control button
- Can be used with table-top accessory AZTV 870-... as a table-top device



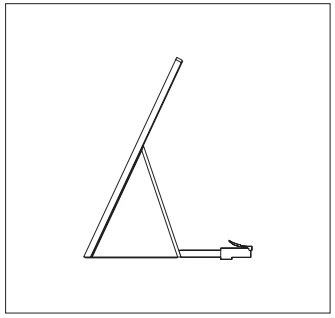
AHFV 870-0
Access handsfree telephone video with speech/control button, door release button and 7 additional buttons with 2-colour status LED. All buttons are freely programmable. The display shows the camera image and the graphic menu interface.
With the functions calling, speech, door release, vision, light, remote switching and call silencing.
Performance features:
- Display 8.8 cm
- Entrance for storey calls
- Exit freely programmable
- Call differentiation between door calls, storey calls, indoor calls and concierge calls
- Switching functions
- Status indications
- Video memory function
- Integrated 5-way control button
- Can be used with table-top accessory AZTV 870-... as a table-top device

All indoor devices are exclusively connected via an RJ45 network outlet. Ideally, this is located directly behind the device at visible height on the wall. However, if this is not possible, it can be mounted in any optional position (visible height) on a wall by using the surface mounting accessory AZA 850-... However, a network outlet for connection of the indoor device must be available at a maximum distance of 10 m.
For table-top devices, the table-top accessory AZTV 850-... is required.

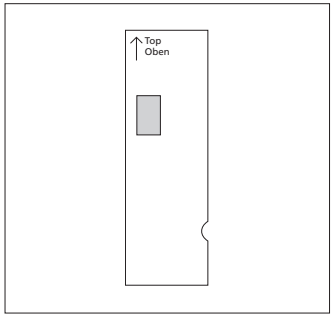
Accessories



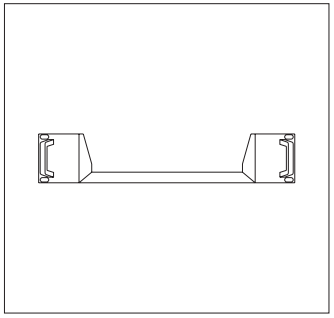
AZA 870-0
Access surface-mount accessory, for professional surface mounting of Access indoor call stations.
Comprises a connection adapter and 4 spacers. The raised height is increased by 8 mm.



AZTV 870-0
Access table-top accessory for indoor call stations for converting from a wall to a table-top device. Slip-proof console.

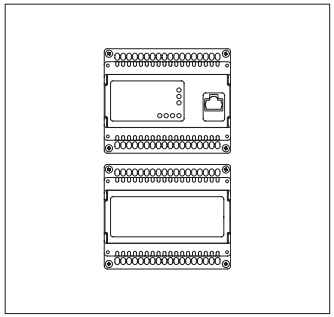


AZIO 870-0
Access input/output accessory as circuit board for integration in an indoor unit with an additional input/output.

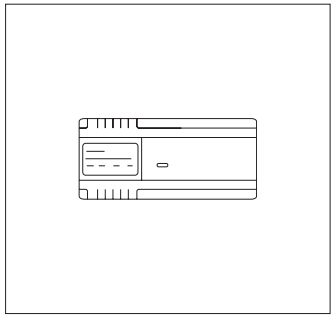


ZRE 600-0
19 inch rack mounting accessory for the Access Server S and the TCIP server. Comprising retaining plate including mounted handles and mounting accessories.

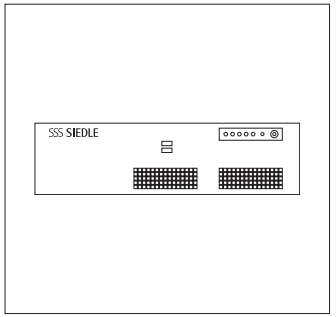
Device description
Supply/control units



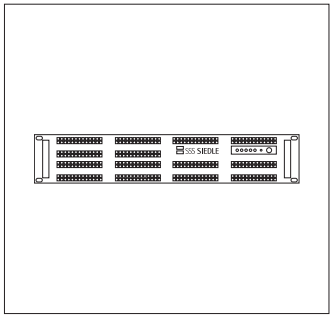
ATLC/NG 670-0
Access door loudspeaker controller with line rectifier in switch panel housing as an interface for the connection and power supply of door components to the Access network. Switch contact for door release and freely programmable switching input.



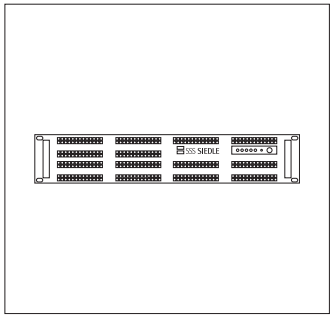
VNG 602-02
Video line rectifier in a switch panel housing for central supply of video door intercom systems.



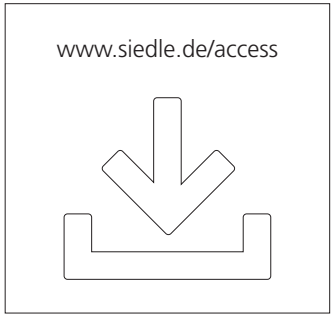
AS 670-0 S
Access Server in metal housing, suitable for top hat rail mounting, as a central unit for management of the entire Access system; Expansion possible up to 50 users.
Dimensions (mm) W x H x D:
328 x 88.8 x 201
More than 10 connections may exist at any one time in the system.
Commissioning takes place in the complete system.



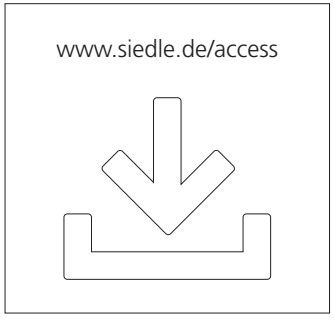
AS 670-0 M
Access server in 19" housing as a central unit for managing the entire Access system. Expansion possible up to 500 users.
Dimensions (mm) W x H x D:
483 x 88 x 460
More than 10 connections may exist at any one time in the system.
Commissioning takes place in the complete system.



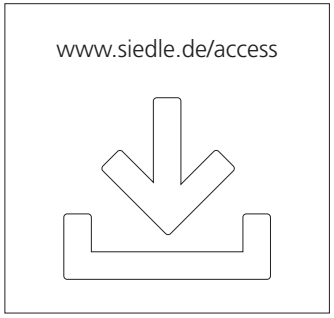
AS 670-0 L
Access server in 19" housing as a central unit for managing the entire Access system. Expansion possible from 500 to over 1000 users.
Dimensions (mm) W x H x D:
483 x 88 x 460
More than 10 connections may exist at any one time in the system.
Commissioning takes place in the complete system.



ASHT 170-0
Access in-house telephone software, which graphically depicts a virtual in-house telephone with video on a PC monitor.
• Door calls with video are possible to a Siedle door station.
• Indoor calls possible
• Execution of switching and control functions such as door release, light switching etc.
• Display of signals
Function overview:
• Call differentiation between door calls, storey calls, indoor calls and concierge calls
• Device and user overview
• Users, doors and devices can be selected from lists
• Global/private address books
• Video memory function over licence ALZV 270-...
• Status displays of switchgear
• Switching functions for external relays
System requirements:
• Microsoft® Windows XP (from SP3, 32 Bit)
• Microsoft® Windows Vista Home Premium and Business (from SP1, 32/64 Bit)
• Microsoft® Windows 7 Home Premium, Professional and Ultimate (32/64 Bit)
• Intel® Pentium® IV from 2.0 GHz or compatible CPUs
• min. 2 GB RAM
• Graphics card with at least 128 MB RAM DirectX 9 support and 16 bit colour depth
• Ethernet card 100 Mbit
• Sound card including headset adapter
• .NET Framework 4.0



ASC 170-0
Access concierge software, the central interface at the reception desk. Due to the wide selection of possible control functions and statuses, and facility for supporting several calls and video links, this application is ideally suited as a communication switchboard.
Function overview:
• Several audio and video links can be depicted simultaneously
• Convenient forwarding functions
• Music-on-hold
• Status overview of all Doormatic door statuses, e.g. activation enabled day/night switchover
• Convenient switching/control and display functions
• Camera scan function
• Answering machine functions
System requirements:
• Microsoft® Windows XP (from SP3, 32 Bit)
• Microsoft® Windows Vista Home Premium and Business (from SP1, 32/64 Bit)
• Microsoft® Windows 7 Home Premium, Professional and Ultimate (32/64 Bit)
• Intel® Pentium® IV from 2.0 GHz or compatible CPUs
• min. 2 GB RAM
• Graphics card with at least 1280 x 720, 128 MB RAM, DirectX 9 support and 16 bit colour depth
• Ethernet card 100 Mbit
• Sound card including headset adapter
• .NET Framework 4.0



ASM 170-0
Access software module for integration of Siedle Access in external systems, e.g. touch panels.
You will be kept up to date with the latest information by our Project Sales Department

Device description
Licences

ALT 270-0
Access telephony connection licence for utilization of an external connection channel.
A separate licence is required per channel.
The use of non-Siedle devices is subject to Siedle approval.

ALKNX 270-0 <50
Access KNX connection licence for importing and managing KNX addresses. A maximum of 50 data points can be assigned.
KNX telegrams can be sent and received.

ALKNX 270-0 <300
Access KNX connection licence for importing and managing KNX addresses. A maximum of 300 data points can be assigned.
KNX telegrams can be sent and received.

ALKNX 270-0 <1000
Access licence KNX connection for the import and management of KNX addresses; assignment of up to 1000 data points.
KNX telegrams can be sent and received.

ALFV 270-0
Access licence for non-Siedle video device for connection of a VoIP video telephone to the Access system.
The use of non-Siedle devices is subject to Siedle approval.

ALFA 270-0
Access licence for non-Siedle audio device for connection of a VoIP audio telephone to the Access system.
Using a VoIP-ATA adapter, it is also possible to connect an analog telephone.
The use of non-Siedle devices is subject to Siedle approval.

ALFS 270-0
The external smartphone Access licence permits connection to the Access server.
A separate licence is required per device. The smartphone functions as a mobile indoor device with video. An additional App is required for operation. This must be purchased from the App Store.

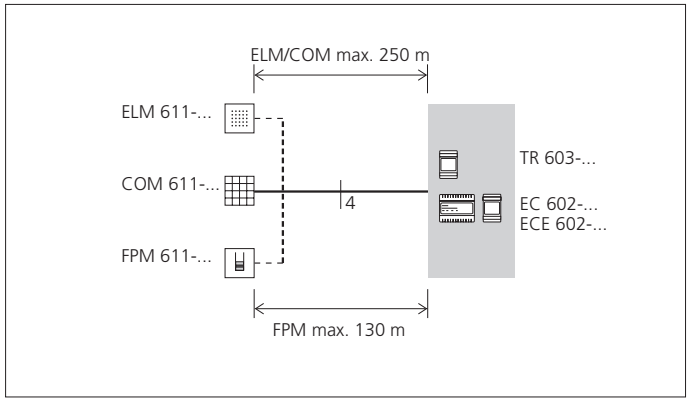
ALFT 270-0
The external tablet Access licence permits connection to the Access server.
A separate licence is required per device. The tablet functions as a mobile indoor device with video. An additional App is required for operation. This must be purchased from the App Store.

Access with access control through the Vario bus

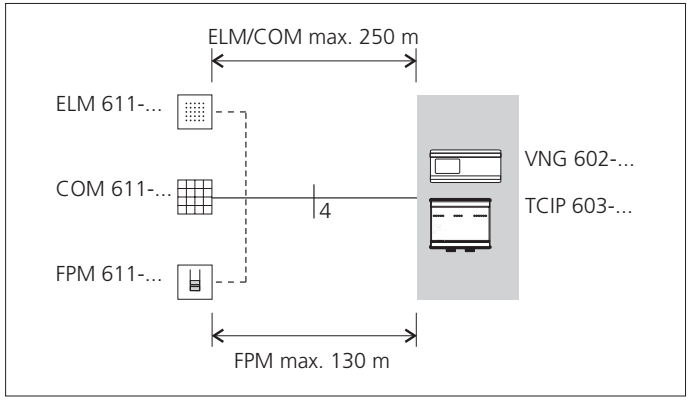
The modules COM/ELM or FPM 611-... are used to actuate control functions which are evaluated and implemented by the evaluating unit EC 602-...

In order to utilize Vario bus control functions, an additional conductor with 4 cores is required from the input module to the EC 602-...

For more information on access control, contact our Project Service.



Access control with Easikey controller EC 602-... as independent system



Access control with door controller IP TCIP 603-... as independent system

Ranges in the Vario bus

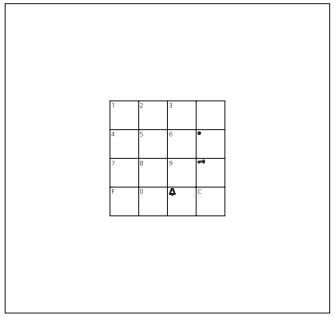
The range depends on the type of installation, the core diameter and the connected load values „AW“ of the connected devices.

Range between the transformer and input modules with star-shaped installation
Max. **250 m** using 0.8 mm core diameter and with connected load value „AW“ 1.
A second connected load value in the same line halves the range.

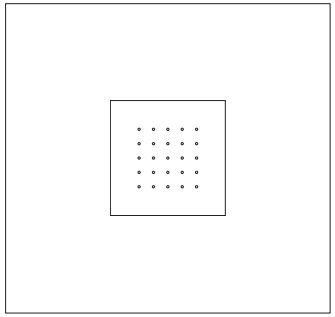
Connected load values AW
COM 611-..., DRM 611-..., ELM 611-..., EC 602-... = **1 AW**
FPM 611-..., EC 602-... with ECE 602-... = **AW 2**
One TR 603-... supplies 2 AWs.

The conductor network laid throughout the entire Vario bus must not exceed 2000 m.

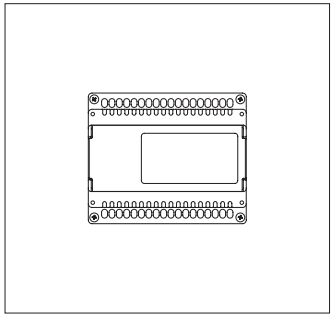
Device description at the Vario bus



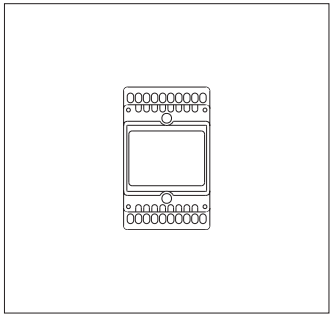
COM 611-02
Code lock module as an input unit for the placement of codes for control functions in conjunction with the Siedle Vario bus.



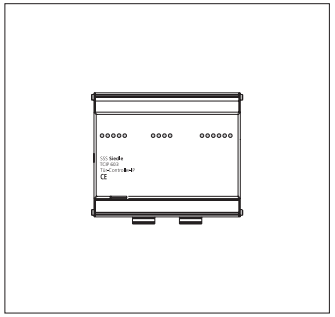
ELM 611-01
Electronic key read module as a no-contact control system in conjunction with the Siedle Easikey controller EC 602-... Reading unit for electronic keys or cards for actuation of functions at the Vario bus.



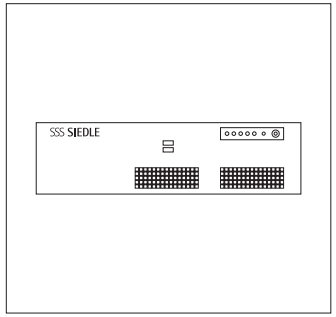
EC 602-03
Entrance controller in switch panel housing for code lock module COM 611-..., electronic key reading module ELM 611-... or fingerprint module FPM 611-... Display-supported programming of integrated buttons, or by means of PC software via additional programming interface PRI 602-... Electronic evaluating circuit with 2 switching outputs, extendable to 8 with ECE 602-..., 2 control inputs for time-controlled access rights.



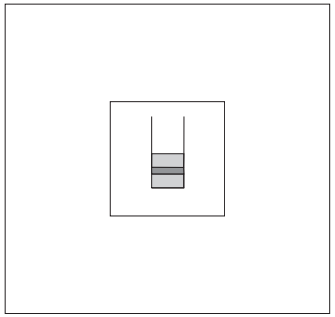
ECE 602-0
Entry controller extension in switch panel housing. Upgrades the EC 602-... by a further 6 working contacts.



TCIP 603-03
Door controller IP TCIP 603-... as a control unit for management of access entitlement in private homes and commercial properties.



TCIP SRV 603-0
The Door controller IP server TCIP SRV 603-... is used to network several door controllers IP TCIP 603-... and to extend the maximum number of users which can be managed to over 500.



FPM 611-02
Fingerprint module as a monitoring system with function LEDs. For actuation of functions in conjunction with Easikey controller EC 602-... at the Vario bus.

Siedle Exhibition and Training Centers
After-sales service

Berlin
Siedle im Stilwerk
Kantstraße 17
10623 Berlin
Tel.: +49 30 8871951-0
Fax: +49 30 8871951-8319
berlin@siedle.de

Düsseldorf
Siedle im Stilwerk
Grünstraße 15
40212 Düsseldorf
Tel.: +49 211 3003602-0
Fax: +49 211 3003602-8350
duesseldorf@siedle.de

Hamburg
Siedle im Stilwerk
Große Elbstraße 68
22767 Hamburg
Tel.: +49 40 670498-0
Fax: +49 40 6538792
hamburg@siedle.de

Munich
Siedle Exhibition and Training Centre
Einsteinring 22
85609 Aschheim (Dornach)
Tel.: +49 89 928617-0
Fax: +49 89 92861777
muenchen@siedle.de

Stuttgart
Siedle Exhibition and Training Centre
Brunnwiesenstraße 23
73760 Ostfildern-Ruit
Tel.: +49 711 441088-0
Fax: +49 711 441088-44
stuttgart@siedle.de

Wiesbaden
Siedle Exhibition and Training Centre
Tannenstraße 6-8
65187 Wiesbaden
Tel.: +49 611 98993-0
Fax: +49 611 98993-13
wiesbaden@siedle.de

Italy
Barbieri Competencecenter GmbH
P.zza Dott. Weiser, 4
39018 Terlano (BZ)
Tel. +39 0471 257960
Fax +39 0471 257964
www.siedle.it
info@siedle.it

Austria
Siedle
Austria GmbH
Grabenweg 71/II
6020 Innsbruck
Tel. +43 512 363060
Fax +43 512 36306060
www.siedle.at
info@siedle.at

Switzerland
Siedle Electric AG
Rotterdam-Strasse 21
4053 Basel
Tel. +41 61 3382044
Fax +41 61 3382049
www.siedle.ch
info@siedle.ch

Customers and sales partners outside of Germany should please contact their national agents.

Furtwangen factory
Monday through Thursday
from 7.30 a.m. to 5.00 p.m.
Friday up to 4.00 p.m.

Architect and project service	Telephone +49 7723 63-555 projektvertrieb@siedle.de
Order placements	Tel. +49 7723 63-451 Fax +49 7723 63-441 quotation@siedle.com
Access Service Center	Telephone +49 7723 63-540 access@siedle.de

Austria

Performance specifications, technical information, tender specifications	Monday to Thursday from 7.30 to 12.00 a.m. and 1.00 to 4.00 p.m. Friday from 7.30 a.m. to 12.00 a.m. **Tel. +43 512 363060-22** **Fax +43 512 363060-60** **info@siedle.at**
Order acceptance, brochure requests, accounts	Monday to Thursday from 7.30 to 12.00 a.m. and 1.00 to 5.00 p.m. Friday from 7.30 a.m. to 12.00 a.m. **Tel. +43 512 363060-21** **Fax +43 512 363060-60** **info@siedle.at**

Switzerland

Order placements **Brochure request** **Hotline Letterbox solutions** **Bills of quantity, enquiries and invitations to tender** **Lettering service**	Monday to Thursday from 7.45 to 12.00 a.m. and 1.30 to 5.00 p.m. Friday from 07.45 a.m. to 12.00 a.m. and from 1.30 to 4.00 p.m. **Tel. +41 61 338 20 44** **Fax +41 61 338 20 49** **info@siedle.ch**
Hotline Building communication Siedle Multi	Tel. +41 61 333 80 10 Fax +41 61 338 20 49 info@siedle.ch

SSS **SIEDLE**

S. Siedle & Söhne
Telefon- und Telegrafenwerke OHG

Postfach 1155
78113 Furtwangen
Bregstraße 1
78120 Furtwangen

Telefon +49 7723 63-0
Telefax +49 7723 63-300
www.siedle.de
info@siedle.de

Printed in Germany
Best.-Nr. 0-1101/184736 EN