PRODUCT

CATALOG

HCC - 07 IP

RELIABLE COMMUNICATION FOR HEALTHCARE AND SOCIAL SERVICES

Contents

Nurse-patient communication system 7
MT-07 IP main terminal 8
CMT-20 terminal socket 9
NT-07IP sister terminal 10
TC telephone socket 11
CTC telephone connection cable 12
DECT cordless phone 13
Wireless portable SOS button WB20-S 14
Text pager 7950 15
Nurse Terminal NT-10 16
DAB, FM, MP3 radio 17
Audio AC socket 18
Signal lamp LED CL 19
IP Directional direction light DL IP 20
5-color LED signal lamp CL-5 21
IP orientation directional 5-color LED DL-5 IP 22
Flashlight with optical and acoustic signaling LED SI-01_07L 23
IP Directional beacon SI DL IP 24
WRT-20 wireless receiver module 25
Service terminal ST-20 26
Air Quality Module ES-20 27
Room terminal RT-20 28
Room terminal RT-20V 29
Room terminal with reader RT-20CR 30
Room terminal with reader and call RT-20VCR 31
Room terminal with display RT-20DV 32
Room terminal with reader, call and display RT-20DVCR 33
Doctor call button DC-20 34
Room terminal RT-20CP 35
Room terminal RT-20VCP 36
Room terminal RT-20DP 37
Room terminal RT-20VDP 38
Patient drawer with BC-20H holder 39
BC-20 patient socket 40
Patient socket with speaker BC-20S 41
Patient socket with holder and speaker BC-20HS 42
Patient drawer with printer holder (without call) BC-10H 43
Patient socket (without call) BC-10 44
Patient terminal with nurse call button PT-20S 45
Patient terminal with second nurse call button PT-20E 46
Patient terminal with lighting control without display PT-20L 47
Patient button without call PU-10 48
Patient button without talk with lighting control PU-10L 49
Patient button with microphone and radio control PU-20R 50
Patient button with microphone and light control PU-20L 51
Button holder, PH headphones 52
Cable holder for CH1 barbell 53
Socket module emergency Vol and presence CM-20 CP 54

Contents

Doctor socket module, presence CM-20DP 55
CM-20 LAN socket module 56
Wireless portable button WB20 57
Wireless portable button with orientation fall detection option WB20-F 58
Wireless portable button with passage identification WB20-G 59
Emergency call button EB-20 60
Anti-vandal button EB-AT 61
EC-20 emergency call lever and button 62
EBC-20 emergency call button and pull 63
Cancel Button CC-20 64
Service terminal (entrance) ET-20 65
Passage identification cancel button CG-20 66
Card reader (EM 125 kHz - MIFARE 13.56 MHz) CR-20 67
Outdoor terminal (entrance) - 4 buttons OT-4 68
Outdoor terminal (entrance) - 8 buttons OT-8 69
Identification card (EM 125 kHz) IK-07 70
Identification tag (EM 125 kHZ) IR-07 71
Silicone identification chip bracelet IB-07 72
IP camera CAM 73
Gate transmitter antenna GT1-A 74

Accessories

Paging transmitter PGS-5W 75
GSM interface GSM-SMS IP 75
Repeater (for DECT) 76
Gate transmitter electronics module GT1-M 76
Power supply + local server PS-07 IP 77
Auxiliary power supply NZ-240/24V 77
UPS backup power supply UPS1200VA 78
Distribution panel 8x230V PDP 19"/1U 78
Universal shelf US 19"/1U 79
Wall-mounted, rack-mounted data distribution cabinet 79
Router RB-07 IP 80
IP radio server IPRS 80
Large SQL database server (up to 30 partitions) SQLS/1U 81
Power injector 7 ports POE-7 82
POE 8/19", POE 16/19" and POE 24/19" power injector 82
Power injector 1 port 82
Data switch 8 ports SWI-8/12 A SWI-8/5 83
Active data switch 8 ports - 150W 83
Active data switch 24 ports - 200W 83
Active data switch 24 ports - 370W 83
Data switch SWI-24/19" 84
Light relay LR-06 84
Modul DC 5V, 12V 85
Electromagnetic lock ELM2 85
24V power supply terminal block with TF electronic fuse 85
Analog telephone interface TI-07 IP 86
Analog/VoIP Gateway AG-07 IP 86
DISAPPOINT IP serial IO module 86

Contents

Triple installation frame, lower IFT-A, upper IFT-B 87
Single distance reducer DR15 x 1 87
Double distance reducer DR15 x 2 87
Distance reducer for service terminal 87
Sheet metal reduction, simple KZM-04 88
Double sheet metal reduction KZM-05 88
Installation box - box with lid KO 125 89
Installation box - box with lid KT 250 KB 89
Surface mounting box GW 44 89
Single installation frame, lower IFS-A, upper IFS-B 90
Double installation frame, lower IFD-A, upper IFD-B 90
Power cable 2xCYA 1x2.5 91
Power cable CYKY 3x2.5 91
Unshielded data cable UTP CAT5E LSOHRF B2ca s1a,,d0,a1 92
Unshielded data cable UTP Cat.6 B2ca s1,d1,a1 92

Licensed software

SW-L1 – participant operating license 93
SW-MT – license for the main terminal 93
SW-HC – call history 93
SW-SQLHV – history viewer and supervision 93
SW - activation of combined operation SW-AW 94
SW – license for professional IP camera SW-CAM 94
SW – wireless module SW-WR 94
SW – license for service terminal 94
SW - license for sister terminal 94

Link

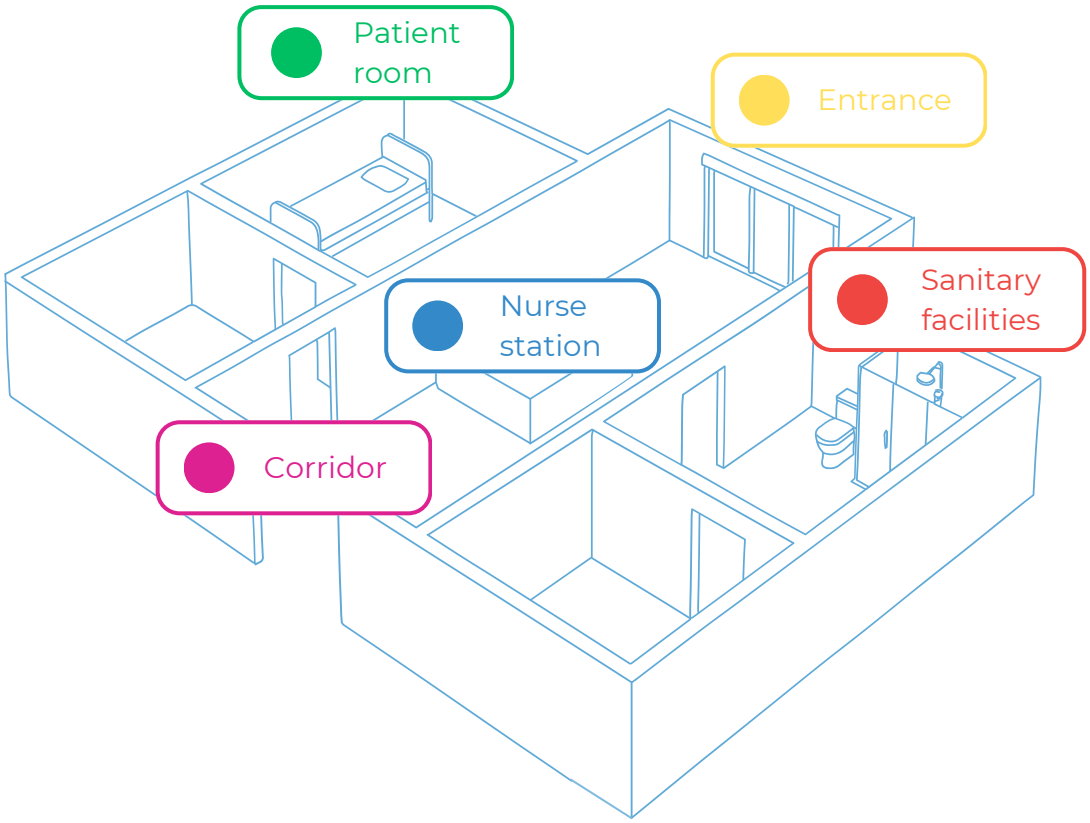
Link ..... 95 – 96
Where to find us 97

Nurse-call communication system

- **Full duplex HD hands-free communication between patient and staff**
- **Integration with hospital information system and IP technologies**
- **Modular configuration for different departments and operational needs**

The system enables efficient and fast communication between patients and healthcare staff, allowing healthcare professionals to respond flexibly to patients' needs without having to immediately enter the room in person. This gives healthcare professionals precise information about the type of request and where the call is coming from.

This system saves time and improves work organization, as nursing staff can prioritize individual calls according to urgency. At the same time, the system increases the sense of security and comfort of patients, who are sure that their calls will be heard and processed without delay.



Nurse station

MT-07 IP main terminal

Central control element of the communication system

- **Ergonomically adjustable position**
- **Can be placed on a table or wall**
- **USB port for backup**

The Codaco main terminal is the heart of the entire communication system and ensures centralized operation directly from the room with constant service, typically from the nurses' office. It combines cutting-edge technology with intuitive control and brings maximum comfort and clarity to the medical staff.

The dominant feature of the device is a 10.4" graphic touch screen with direct control, which enables fast and effective interaction through a clear user interface and functional buttons. Voice communication is carried out using modern HD VoIP technology, which guarantees high-quality transmission without interference.

Technical specification

Material: Thermoplastic, stainless steel, steel
Color: White
Dimensions: 338 x 210-235 x 195mm
Weight: 4475g
Power supply: Adapter 230V/12V/2A
Max. power consumption: 12W

Product photographs

Nurse station

CMT-20 terminal socket

- **Reliable LAN terminal connection**
- **KEYSTONE CAT5e connector for easy installation**
- **Antibacterial surface with silver for greater hygiene**

The terminal socket, together with the terminal cable, is used to connect the main terminal to the LAN network of the IP communication system. Connection connector - KEYSTONE CAT5e.
Antibacterial surface (silver admixture in the plastic material).

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 80 g

Product photographs

Nurse station

NT-07IP sister terminal

- **Can be placed on a table or wall**
- **USB port for backup**

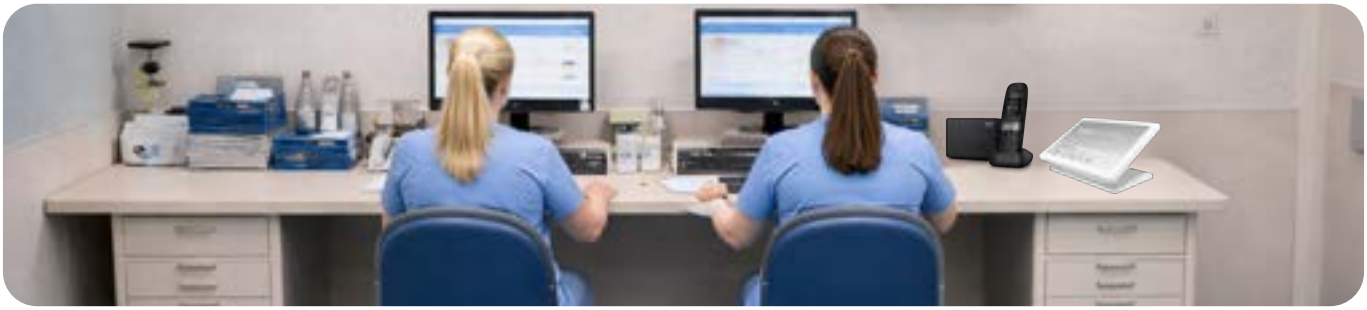
The nurse terminal provides centralized operation directly from a room with constant service, typically from a nurses' office. It combines cutting-edge technology with intuitive control and brings maximum comfort and clarity to medical staff.

The dominant feature of the device is a graphic touch screen with direct control, which enables fast and efficient interaction through a clear user interface and function buttons. Communication is via speakerphone.

Technical specifications

Dimensions: 210 x 148 x 35 mm
Weight: 605 g

Product photographs



Nurse station

Telephone socket TC

- **Connection of both an analog line and a telephone set**
- **Compatible with common analog phones (including cordless ones)**
- **Antibacterial surface with silver for greater hygiene**

It is used to connect an analog telephone line and an analog telephone device (e.g., a cordless portable telephone) to the communication system.
Antibacterial surface (silver admixture in the plastic material).

Technical specifications

Dimensions: 82 x 82 x 40 mm
Weight: 60 g

Product photographs

Nurse station

CTC telephone connection cable

- **Connects an analog extension line to the system**
- **Easy installation via a standard telephone socket**
- **Suitable for workplaces with a main terminal (e.g. nurses' offices)**

An analog telephone line is usually connected to the system by cable through a telephone socket located on the wall in the same room as the main terminal (nurse's office).
It is intended for connecting an analog extension telephone line to the communication system.

Technical specifications

Dimensions: d=6 m
Weight: 130 g

Product photographs

Nurse station

DECT cordless phone

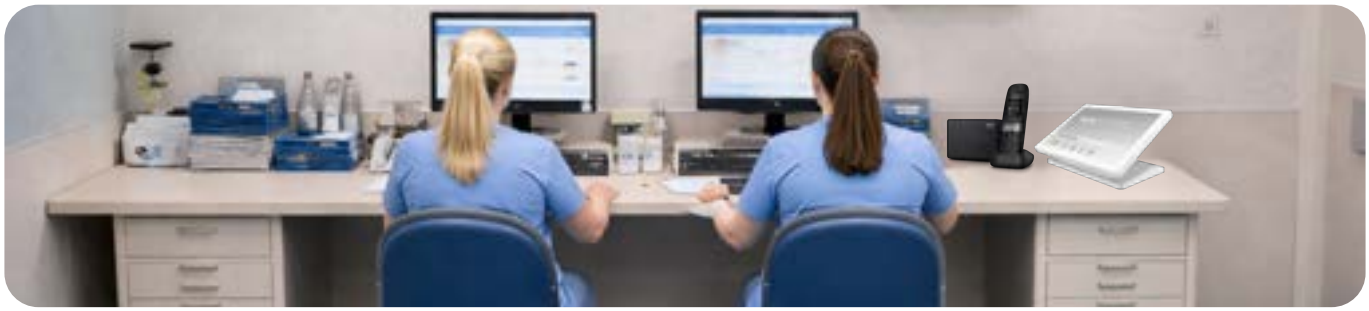
- **Wireless range up to 20 m in a building (depending on building conditions)**
- **Possibility of connecting up to 6 handsets and 6 repeaters to one base**
- **Display of the caller's number (CALL ID) and basic information about the type of call**

Portable analog DECT cordless phone with CALL ID function.
A DECT cordless telephone designed for receiving calls from the city or hospital telephone network, with the option of transferring the call to the patient's bedside (only via an analog line). In idle mode, it can serve as a regular office telephone within the telephone network of a medical facility. The base also serves as a charger for a portable handset.

Technical specifications

Dimensions: 154 x 50 x 28 mm
Weight: 120 g
Power supply: 230 V/50 Hz
Max. power consumption: 4W

Product photographs



Nurse station

Wireless portable SOS button WB20-S

- **Quick activation of emergency call**
- **IP65 water and dust resistance**
- **Recommended for psychiatric wards**

The wireless portable button is a practical addition to the Codaco communication system, designed exclusively for medical personnel. It allows for a quick and discreet emergency call in crisis situations – the so-called Pink alarm. Thanks to wireless operation, the button can be used flexibly within the room or within range of the corresponding receiving module. The button is comfortably worn either around the neck or on the wrist using the included 24 cm long strap.

This compact element contributes to a greater sense of security when working in a demanding healthcare environment and enables rapid response in emergency situations.

Technical specification

Dimensions: 40 x 50 x 15 mm
Weight: 80 g
Power supply: CR 2430 button battery

Product photographs

Nurse station

Text pager 7950

- **Instant call notification from the HCC-07 IP system (tone or vibration)**
- **Clear backlit display for easy reading of messages**
- **Long battery life of up to 80 days**

Alphanumeric pager 7950.

The pager is used to receive messages about the type of call from the HCC-07 IP system and notifies personnel with an acoustic signal or vibrations.

The backlit, high-contrast display makes it easy to read messages. The device is manually programmable, supports multiple pager addresses, and is powered by a single AA battery.

Technical specification

Dimensions: 70 x 49 x 19 mm
Weight: 60 g without battery
Power supply: CR 2430 button battery

Product photographs

Nurse station

Nurse Terminal NT-10

- **Centralized call management from one place**
- **Clear display showing location and type of call**
- **Antibacterial surface with silver additives**

The device serves to centralize call handling and allows the cancellation of a patient call without the possibility of a voice connection. The display shows the place of origin and the type of call. The terminal is most often placed in the nurses' office.

Technical specification

Dimensions: 151 x 82 x 23 mm
Weight: 171 g
Power supply: 24 V
Max. power consumption: 15 W

Product photographs

Nurse station

DAB, FM, MP3 radio

- **FM, DAB/DAB+ reception and over 20,000 internet stations**
- **Bluetooth and Spotify Connect for playing music from your smartphone**
- **High-quality 2 x 10 W stereo sound and a clear 2.8" color display**

Digital and Internet Radio The multifunctional radio allows you to listen to FM, DAB/DAB+, and Internet radio from all over the world. Thanks to dual-band Wi-Fi, Bluetooth, and compatibility with Spotify Connect, it offers a wide range of music playback options. The device is equipped with a color display, remote control, and high-quality 2 x 10 W speakers for clear and powerful sound.

Technical specification

Dimensions: 155 x 155 x 245 mm
Weight: 1000 g

Product photographs

Nurse station

Audio AC socket

- **Connection of up to two audio sources to the communication system**
- **Included in the package 2× 3.5 mm JACK cables**
- **Antibacterial surface with silver additives**

The audio socket allows you to connect up to two sources of analog audio signal (e.g. radio receiver or an MP3 player) to the communication system. Two connecting cables with 3.5 mm JACK connectors are included.

Technical specification

Dimensions: 82 x 82 x 23 mm
Weight: 325 g

Product photographs

Corridor

CL LED signal lamp

- **Three-color signaling for quick identification of the type of call**
- **Good visibility in the corridor thanks to installation above the room doors**
- **Antibacterial surface with silver additives**

A lamp with three different colored lights signals the status and type of call in connection with the room terminal.

It is installed visibly above the doors of bedrooms, bathrooms, or toilets so that the call status is easily recognizable from the hallway.

Technical specifications

Dimensions: 82 x 82 x 56 mm
Weight: 105 g
Power supply: 24 V
Maximum power consumption: 1.5 W

Product photographs

Corridor

IP Orientation directional light DL IP

- **Repeating call signaling from unclear parts of the department**
- **Possibility of adding directional arrows for easier orientation**
- **Antibacterial surface with silver additives**

The luminaire is used in fragmented department layouts where not all signaling luminaires above the rooms are visible from the central corridor.

It is placed in a visible location and repeats the light signals of luminaires that are not directly visible in a given direction. Configuration is performed using standard configuration software. Directional arrows can be attached to the luminaire (not included).

Technical specifications

Dimensions: 82 x 82 x 56 mm Weight: 135 g Power supply: 24 V Maximum power consumption: 1.5 W

Product photographs

Corridor

5-color LED signal light CL-5

- **Five signaling colors for clear distinction of event type**
- **Good visibility in the corridor thanks to installation above room doors**
- **Antibacterial surface with silver additives**

A lamp with five different colored lights signals the status and type of call in connection with the room terminal.

It is installed visibly above the doors of bedrooms, bathrooms, or toilets.

Color signaling:

- Red – emergency call
- Blue – blue code
- Pink – attack on sister (Pink Alarm)
- Green – presence of a nurse in the room
- Yellow – nurse present

Technical specifications

Dimensions: 82 x 82 x 56 mm
Weight: 110 g
Power supply: 24 V
Maximum power consumption: 1.5 W

Product photographs

Corridor

IP orientation directional 5-color LED DL-5 IP

- **Repeating call signaling from unclear parts of the department**
- **Possibility of adding directional arrows for easy orientation**
- **Antibacterial surface with silver additives**

The luminaire is used in cases of a fragmented department layout, when all the signaling luminaires above the rooms are not visible from the central corridor. It is placed in a visible place and repeats light signals from a given direction. Configuration is carried out using standard configuration software. Directional arrows can be attached to the luminaire (not included).

Color signaling:

- Red – emergency call
- Blue – blue code
- Pink – attack on sister (Pink Alarm)
- Green – presence of a nurse in the room
- Yellow – nurse present

Technical specifications

Dimensions: 82 x 82 x 56 mm
Weight: 140 g
Power supply: 24 V
Maximum power consumption: 1.5 W

Product photographs

Corridor

Luminaire with optical and acoustic LED signaling SI-01_07L

- **Optical and acoustic call signaling for quick staff response**
- **Good visibility in the corridor thanks to installation above the room door**
- **Antibacterial surface with silver additives**

The luminaire signals the status and type of call in connection with the room terminal using light and acoustic signaling. It is installed visibly above the doors of bedrooms, bathrooms, or toilets so that the call status is easily recognizable from the corridor.

Technical specifications

Dimensions: 82 x 82 x 56 mm
Weight: 105 g
Power supply: 24 V
Maximum power consumption: 1.5 W

Product photographs

IP Orientation directional light SI DL IP

- **Repeats call signaling from places that are not directly visible**
- **Optical and acoustic signaling for quick orientation of personnel**
- **Antibacterial surface with silver admixture**

The luminaire is used to repeat the light signaling of calls in places where the luminaires above the individual rooms are not visible from the central corridor. It helps the staff to quickly determine the direction from which the call is coming. The configuration is set using standard configuration software. The luminaire also allows for the attachment of directional arrows (not included).

Technical specifications

Dimensions: 82 x 82 x 56 mm
Weight: 135 g
Power supply: 24 V
Maximum power consumption: 1.5 W

Product photographs

Corridor

Wireless receiver module WRT-20

- **Coverage of a smaller building with a single module connected via PoE**
- **Easily extend range with a 24V powered wireless repeater**
- **Antibacterial surface with silver additives**

The module is used to receive long-range signals from compatible wireless elements, such as wireless buttons or wireless pull rods, that are configured for this type of communication.
To cover a smaller building, one module connected to the system via PoE is usually sufficient. If you need to extend the range in a larger building or area, you can add another module powered only by 24 V, for example using an adapter. This module automatically switches to powerful signal repeater mode and extends the communication range without the need for a data or other wired connection to the system.
The surface of the device is made of antibacterial plastic with an admixture of silver.

Technical specifications

Dimensions: 66 x 120 x 60 (33) mm
Weight: 75.5 g

Product photos

Patient room

Service terminal ST-20

- **8" color touchscreen**
- **Staff registration, care record**
- **Voice navigation, alarms, data transfer**

The terminal for bedrooms and service rooms is used to register presence, record care, and receive calls. After staff log in, it provides optical, acoustic, and voice signaling and enables loud communication with the main terminal.

Supports RFID, Bluetooth, NFC, PoE or 24V network connection, SQL database recording, and door lock control. Displays accompanying information (menu, weather, CO_2) and allows activation of cleaning, maintenance, or alarm. Suitable for connection to an 868 MHz module and external inputs.

Technical specifications

Dimensions: 210 x 148 x 35 mm
Weight: 605 g

Product photographs

Patient room

Air Quality Module ES-20

- **Wireless communication via BT**
- **Color LED to distinguish environmental status**
- **Measures important variables: ambient temperature, humidity, CO_2 and air quality index**

The ES-20 and ES-20D devices are smart sensors for measuring indoor air quality. They communicate wirelessly via Bluetooth and display information clearly using a colored LED “traffic light”. They assess not only ambient temperature, relative humidity, and CO_2 concentration, but also the overall level of environmental safety, which allows for immediate orientation even without connecting to a monitor. They are an ideal assistant in environments where it is important to have a constant overview of air quality and comfort.

Technical specifications

Dimensions: 76 x 76 x 25 mm Weight: 54 g, 56 g
Power supply: +24 V

Product photographs

Patient room

Room terminal RT-20

- **Personnel registration with distinction between professional and nursing personnel**
- **Ending all types of calls from the room without the need to use the main terminal**
- **Possibility of connecting up to 5 external elements (e.g. emergency call buttons or pull rods)**

The terminal is intended for basic operation of the signaling system without voice communication.

It is mainly used in bathrooms, toilets, or cleaning rooms. It allows staff registration, call cancellation, and connection of external activation elements.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 135 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Room terminal RT-20V

- **Voice communication and call overview**
- **Possibility of expansion with external elements**
- **Safe and hygienic operation**

The terminal is used for voice communication with the main terminal. It is mainly used in patient rooms and service rooms.
After staff registration, it activates optical, acoustic, and voice call signaling. It allows department supervision, receiving calls in "presence" mode, and ending calls directly from the room.
It supports the connection of up to 5 external elements (e.g., emergency button), LED signaling, and offers the possibility of communication at the entrance to the ward.
The surface is antibacterial.

Technical specifications

Dimensions: 151 × 82 × 23 mm
Weight: 212 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Room terminal with reader RT-20CR

- **RFID staff registration with automatic recording in the system history**
- **Reception of voice calls when a nurse is present in the room**
- **Possibility of connecting up to 5 external activation elements**

The terminal with an integrated RFID reader allows staff registration in the room with automatic entry into the system history (name/card number, date, time, and place).

It is mainly used in patient rooms and also allows receiving voice calls when the nurse's presence is actively registered.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 135 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Room terminal with reader and call RT-20VCR

- **RFID staff registration with automatic recording in the system history**
- **Reception of voice calls when a nurse is present in the room**
- **Possibility of connecting up to 5 external activation elements**

The terminal is designed for patient rooms and allows voice communication with the main terminal. Thanks to the integrated RFID reader, it allows staff registration with automatic entry into the system history (name / card number, date, time and place).

Technical specifications

Dimensions: 151 x 82 x 23 mm
Weight: 247 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Room terminal with display RT-20DV

- **Graphic display showing location and type of call**
- **Voice communication with the main terminal and support for central reporting**
- **Registration of professional and nursing staff**

A comfortable version of the room call terminal with an integrated loudspeaker and a graphic display that shows call information, room or bed number.

In the idle state, the display shows the date and time. The terminal allows voice communication with the main terminal and personnel registration.

Technical specifications

Dimensions: 220 x 82 x 23 mm
Weight: 339 g
Power supply: 24 V
Maximum power consumption: 2.8 W

Product photographs

Patient room

Room terminal with reader, call and display RT-20DVCR

- **RFID personnel registration with movement records in the system**
- **Graphic display showing location and type of call**
- **Voice communication with the main terminal and support for central reporting**

Advanced room terminal with loudspeaker, graphic information display, and integrated RFID reader. The display shows information about the location and type of call, room or bed number, and in idle mode, also date and time. The terminal allows voice communication with the main terminal and staff registration with automatic entry into the system history.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 135 g Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Doctor call button DC-20

- **Quick activation of the “Blue Code” call in emergency situations**
- **Display of the call location on the main terminal (room number)**
- **Possibility of installing multiple buttons on one cable and antibacterial surface**

The button allows immediate activation of a high-priority “Code Blue” call to quickly summon a doctor or other medical personnel.

Once activated, the main terminal will display the "Blue Code" and the room number from which the call was made.

Technical specification

Dimensions: 82 x 82 x 23 mm Weight: 70 g Power supply: 24 V Max. power consumption: 0.25 W

Product photographs

Patient room

Room terminal RT-20CP

- **Emergency call button for quick help call**
- **Possibility of registering personnel and canceling calls directly in the room**
- **Possibility of connecting up to 5 external activation elements (e.g. call buttons or pull rods)**

The terminal is intended for basic operation of the signaling system without voice communication. It contains a button for activating an emergency call and is used primarily in bathrooms, toilets, or other auxiliary rooms.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 135 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Room terminal RT-20VCP

- **Voice communication with the main terminal and receiving voice calls**
- **Voice navigation informing about the location and type of call**
- **Possibility of connecting up to 5 external activation elements (e.g. call buttons or pull rods)**

The terminal enables loud communication with the main terminal and is used mainly in patient rooms or in staff offices. After the nurse registers, the reception of optical and acoustic information about the call to the ward is activated.

Technical specifications

Dimensions: 151 x 82 x 23 mm
Weight: 212 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Room terminal RT-20DP

- **Medical alarm button for quick doctor call**
- **Staff registration and call cancellation directly in the room**
- **Possibility of connecting up to 5 external activation elements (e.g. call buttons or pull rods)**

The terminal is designed for operating the signaling system without voice communication.

It contains a blue button for activating the medical alarm and a button for registering personnel. After registration, the reception of optical and acoustic information about the call to the ward is activated.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 135 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Room terminal RT-20VDP

- **Blue code button for quick doctor call**
- **Voice navigation and central message for staff notification**
- **Possibility of connecting up to 5 external activation elements (e.g. call buttons or pull rods)**

The terminal is equipped with a blue button for activating a medical alarm or a voice call to a doctor ("Blue Code").

After registering the staff with the green button, the reception of optical and acoustic information about the call to the department is activated, including voice navigation with information about the location and reason for the call.

Technical specifications

Dimensions: 151 x 82 x 23 mm
Weight: 212 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Patient drawer with BC-20H holder

- **Discreet communication with staff via patient terminal**
- **Installation in wall-mounted installation ramps in bed rooms**
- **Antibacterial surface with silver admixture**

An IP address element designed for direct hookup and connection of the patient terminal.

In conjunction with the terminal, it enables discreet two-way communication with staff and listening to audio programs.

Technical specifications

Dimensions: 82 x 82 x 39 mm
Weight: 128 g
Power supply: 24 V
Max. power consumption: 1.8 W

Product photographs

Patient room

BC-20 patient socket

- **Discreet communication with staff via patient terminal**
- **Installation in wall-mounted installation ramps in bed rooms**
- **Antibacterial surface with silver admixture**

The IP address element is intended for connecting the patient terminal.

In conjunction with a terminal, it enables discreet two-way communication with staff and listening to audio programs. It is used mainly in bedrooms with wall-mounted installation ramps.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 88 g
Power supply: 24 V
Max. power consumption: 1.8 W

Product photographs

Patient room

Patient socket with speaker BC-20S

- **Loud and discreet voice connection with staff**
- **Possibility of listening to audio programs**
- **Antibacterial surface with silver additives**

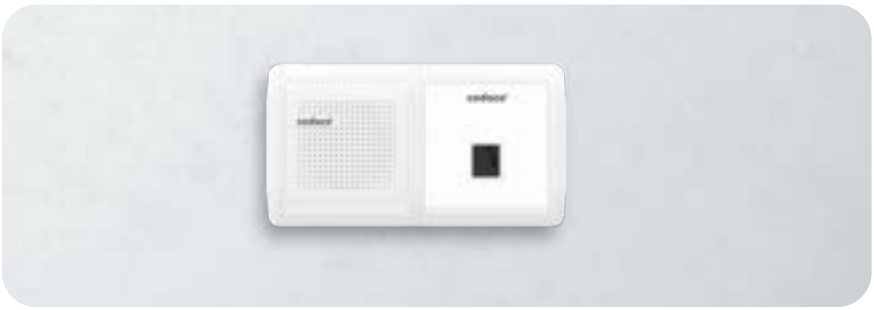
An IP address element intended for connecting a terminal or patient button.

The integrated speaker, it allows loud or discreet communication with staff and listening to audio programs. It is used mainly in bedrooms with wall-mounted installation ramps.

Technical specification

Dimensions: 151 x 82 x 23 mm
Weight: 165 g
Power supply: 24 V
Max. power consumption: 1.8 W

Product photographs



Patient room

Patient socket with holder and speaker BC-20HS

- **Loud and discreet voice connection**
- **Easy connection and hanging of the terminal**
- **Antibacterial surface**

An IP addressable element designed for connecting a patient terminal or a patient button. In conjunction with a patient terminal, it enables the selection of a loud or discreet voice connection and listening to an entertainment program; with a patient button, it ensures a loud voice connection and loud program reproduction.

The socket with integrated holder and speaker is used for direct hanging and connection of patient terminals and buttons. The connector for connecting the patient terminal is brought out from the bottom of the element in the holder position, which allows for a clear and safe connection.

Technical specification

Dimensions: 151 x 82 x 39 mm
Weight: 205 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Patient room

Patient socket with button holder (without call) BC-10H

- **Direct connection of the patient button without voice communication**
- **Antibacterial surface with silver additives**

The socket is used for direct hanging and connection of a patient button without voice communication (e.g., PU-01).

Technical specifications

Dimensions: 82 x 82 x 39 mm
Weight: 80 g

Product photographs

Patient room

Patient socket (without call) BC-10

- **Direct connection of the patient button without voice communication**
- **Antibacterial surface with silver additives**

The socket is used for direct connection of a patient button without voice communication (e.g., PU-10).

It is mainly used in bedrooms with wall-mounted installation ramps, where the socket is installed directly on the ramp.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 75 g

Product photographs

Patient room

Patient terminal with nurse call button PT-20S

- **Discreet and loud voice communication with staff**
- **Large backlit nurse call button**
- **RJ pull-out connector for safe disconnection**

A telephone handset-shaped element designed for direct patient communication with medical staff. It can be hung in the patient's socket holder or in a separate holder. It allows listening to entertaining audio programs and a discreet or loud voice connection of the patient with the main terminal, or calling a specialist nurse using the large red button with the nurse symbol. There is also a nursing call button with a coffee symbol. Depending on the system configuration, this call can be routed to the main terminal, where it is color-coded according to the type of staff being called.

Technical specification

Dimensions: 52 x 198 x 23 mm
Weight: 270 g
Power supply: 24 V
Max. power consumption: 1 W

Product photographs

Patient room

Patient terminal with second nurse call button PT-20E

- **Direct call to two different departments or types of staff**
- **Safe connection with a pull-out connector protecting the device**
- **Possibility to listen to audio programs and control the lights in the room**

The patient terminal allows discreet or loud voice communication with a nurse from two different departments while listening to entertaining audio programs.

It is suitable, for example, for departments where direct selection of different types of personnel is needed (e.g., gynecological and neonatal departments).

Technical specification

Dimensions: 52 x 198 x 23 mm
Weight: 270 g
Power supply: 24 V
Max. power consumption: 1 W

Product photographs

Patient room

Patient terminal with lighting control without display PT-20L

- **Direct nurse call using a large backlit button**
- **Possibility to control two lights in the room**
- **Discreet and loud communication and listening to audio programs**

The handset-shaped terminal allows the patient to communicate discreetly or loudly with staff and listen to audio programs. A large backlit button with a nurse symbol can be used to easily call for help.

Technical specification

Dimensions: 52 x 198 x 23 mm
Weight: 270 g
Power supply: 24 V
Max. power consumption: 1 W

Product photographs

Patient button without call PU-10

- **Emergency nurse call via large backlit button**
- **Safe cable with pull-out connector and antibacterial surface**

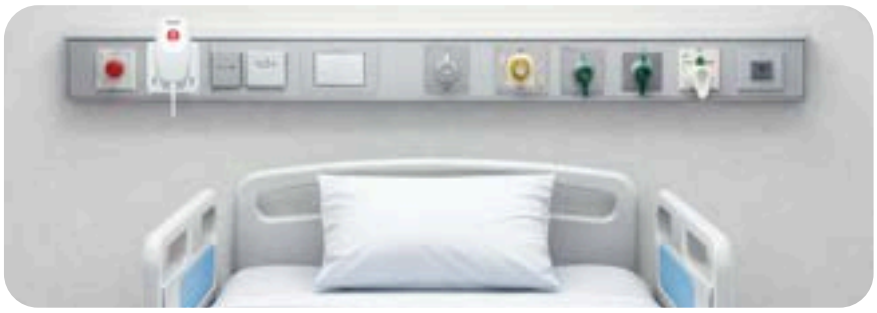
Basic version of the patient button designed to activate an emergency call to a nurse. It does not allow voice communication or listening to audio programs.

It is used mainly in ICU rooms or nursing homes where voice communication with the patient is not required.

Technical specification

Dimensions: 52 x 100 x 22 mm
Weight: 129 g
Power supply: 3-24 V
Max. power consumption: 1 W

Product photographs



Patient room

Patient button without talk with lighting control PU-10L

- **Emergency nurse call using a large backlit button**
- **Control of two separate lights in the room**
- **Safe cable with pull-out connector and antibacterial surface**

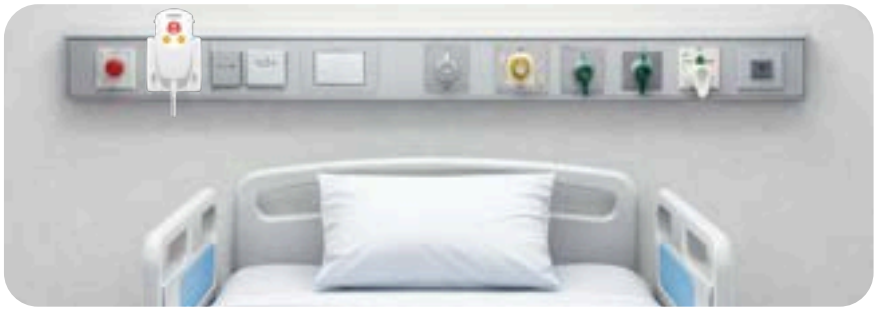
A variant of the patient button designed for emergency calls to a nurse, expanded with two buttons for controlling the lighting in the room.

It does not allow voice communication or listening to audio programs. Particularly suitable for ICU rooms or nursing homes where voice communication with the patient is not required.

Technical specification

Dimensions: 52 x 100 x 22 mm
Weight: 75 g
Power supply: 24 V
Max. power consumption: 1 W

Product photographs



Patient room

Patient button with microphone and radio control PU-20R

- **Hands-free call connection with the nurse using a large backlit button**
- **Listening to the audio program with volume control**
- **Safe cable with pull-out connector and antibacterial surface**

A simpler version of the patient terminal, allowing loud voice communication with staff and listening to an entertaining audio program.

The nurse call is activated by a large backlit button with a nurse symbol.

Technical specification

Dimensions: 52 x 100 x 22 mm Weight: 75 g Power supply: 24 V Max. power consumption: 1 W

Product photographs

Patient room

Patient button with microphone and light control PU-20L

- **Loud nurse call using a large backlit button**
- **Control of two independent lights in the room**
- **Safe cable with pull-out connector and antibacterial surface**

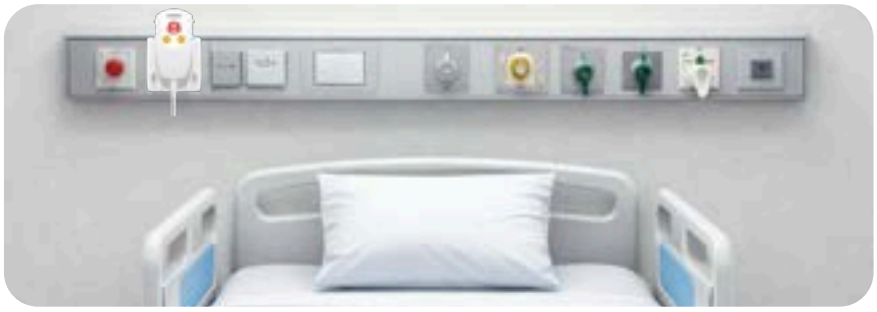
A simpler version of the patient terminal allowing for a loud voice connection with the staff and calling a nurse using a large backlit button with a nurse symbol.

Instead of controlling the audio program, it contains buttons for controlling two separate lights in the room.

Technical specification

Dimensions: 52 x 100 x 22 mm
Weight: 75 g
Power supply: 24 V
Max. power consumption: 1 W

Product photographs



Patient room

Button holder, PH headphones

- **Secure hanging of the terminal or patient button**
- **Suitable for installation in lighting ramps in bed rooms**
- **Antibacterial surface with silver admixture**

The holder is used to hang the terminal or patient button.

It is used especially in cases where installation wiring is terminated in patient lighting ramps.

Technical specifications

Dimensions: 82 x 82 x 39 mm
Weight: 65 g

Product photographs

Patient room

Cable holder for CH1 barbell

- **Secure cable attachment above the bed for comfortable use**
- **Compatibility with both straight and coiled cables**
- **Integrated hook for hanging small items (e.g. mobile phone)**

The holder is used to attach the terminal cable or patient button to the overhead rail so that the cable is safely routed and easily accessible.
It is suitable for both straight cable with a self-releasing connector and twisted cable.

Technical specifications

Dimensions: 20 x 42 x 96 mm
Weight: 13 g

Product photographs

Patient room

Socket module emergency and presence CM-20 CP

- **Activation and cancellation of calls directly from the module**
- **Possibility of replacing the room terminal in special installations**
- **Antibacterial surface with silver additives**

The module contains a red button for activating a voice or emergency call and a green button for canceling the call and registering personnel.

In certain configurations, it can replace a room terminal.

Technical specification

Dimensions: 66 x 82 x 23 mm
Weight: 40 g
Power supply: 24 V
Max. power consumption: 0.5 W

Product photographs

Patient room

Doctor socket module, presence CM-20DP

- **Immediate activation of the medical call (“Code Blue”)**
- **Deactivation of the call and registration of personnel with one button,**
- **Antibacterial surface with silver admixture**

The module includes a blue button for activating medical calls or alarms (e.g., "Code Blue") and a green button for canceling calls and registering personnel.

In some configurations, it can replace the room terminal.

Technical specification

Dimensions: 66 x 82 x 23(33) mm
Weight: 40 g
Power supply: 24 V
Max. power consumption: 0.5 W

Product photographs

Patient room

CM-20 LAN socket module

- **Connecting devices to the LAN network via RJ-45**
- **Integrated CAT-5E keystone module for easy installation.**
- **Antibacterial surface with silver additives**

The module allows you to connect devices to an Ethernet network (LAN) using an RJ-45 (8p8c) connector.

It is most often used to connect a main terminal or computer to a network.

Technical specification

Dimensions: 66 x 82 x 23(33) mm
Weight: 45 g

Product photographs

Patient room

Wireless portable button WB20

- **Wireless call activation within the range of the receiver. It can be worn around the neck or on the hand for comfortable use**
- **IP65 resistance and antibacterial surface for hygienic and safe use**

A wireless button designed to activate a patient call from anywhere in the room within range of the wireless receiver. It can be hung around the neck or clipped to the hand, ensuring easy and quick summoning of help.

Technical specification

Dimensions: 40 x 50 x 15 mm
Weight: 80 g
Power supply: CR 2430 button battery

Product photographs

Patient room

Wireless portable button with orientation fall detection option WB20-F

- **Wireless call activation within the range of the receiver**
- **Optional orientation, fall detection for increased patient**
- **safety, IP65 resistance, and antibacterial surface for hygienic use**

Wireless button designed to activate a patient call from anywhere in the room within range of the wireless receiver.

It can be hung around the neck or clipped to the hand and serves as an additional element of the communication system.

Orientation fall detection function
Fall detection is an additional information function that warns of a possible patient fall. The evaluation is indicative - some falls may not be detected and, conversely, an alarm may occur upon impact.

The function can be activated or deactivated at the customer's request. It is particularly suitable for hospitals and nursing homes.

Technical specification

Dimensions: 40 x 50 x 15 mm
Weight: 80 g
Power supply: CR 2430 button battery

Product photographs

Patient room

Wireless portable button with passage identification WB20-G

- **Wireless call activation within the range of the receiver**
- **Optional orientation fall detection for increased patient safety**
- **IP65 resistance and antibacterial surface for hygienic use**

Wireless button designed to activate a patient call from anywhere in the room within range of the wireless receiver.

It can be worn around the neck or on the arm and serves as an additional element of the communication system.

Technical specification

Dimensions: 40 x 50 x 15 mm
Weight: 80 g
Power supply: CR 2430 button battery

Product photographs

Emergency call button EB-20

- **Emergency nurse call with a single button**
- **Display of the call location on the main terminal (room number)**
- **Possibility of installing multiple buttons on one cable, and antibacterial surface**

A switch designed to activate an emergency call in conjunction with a room terminal.

It is installed primarily near toilets, sinks, or in waiting rooms so that help can be called quickly.

Technical specification

Dimensions: 82 x 82 x 23 mm
Weight: 73 g
Power supply: 24 V
Max. power consumption: 0.25 W

Product photographs

Anti-vandal button EB-AT

- **Emergency nurse call with a single button. High resistance to damage (anti-vandal design)**
- **Programmable button function according to operational needs**

A durable version of the button designed to activate an emergency nurse call. Thanks to its robust construction, it is highly resistant to damage, making it suitable for installation in demanding environments, such as detention centers or psychiatric facilities.

Technical specification

Dimensions: 82 x 82 x 42 mm
Weight: 72 g
Power supply: 24 V
Max. power consumption: 1 W

Product photographs

EC-20 emergency call lever and button

- **Emergency call using both the pull rod and the button**
- **Adjustable pull rod length for activation from the floor**
- **Safety disconnect element and antibacterial surface**

A combination of a pull rod and an emergency call button is designed to quickly summon help.

It is most often installed in bathrooms and toilets so that the call can be activated even if it falls to the ground.

Technical specification

Dimensions: 82 x 82 x 23 mm
Weight: 86 g
Power supply: 3-24 V
Max. power consumption: 0.25 W

Product photographs

EBC-20 emergency call button and lever

- **Emergency call using both the pull rod and the button**
- **Adjustable pull rod length for activation from the floor**
- **Safety disconnect element and antibacterial surface**

A combination of a pull rod and an emergency call button that allows you to call for help from various positions.

It is most often installed in bathrooms or toilets for people with reduced mobility.

Technical specification

Dimensions: 82 x 82 x 23 mm
Weight: 86 g
Power supply: 3-24 V
Max. power consumption: 0.25 W

Product photographs

Call Cancel Button CC-20

- **Emergency call deactivation**
- **Antibacterial surface with silver additives**

The button is used to deactivate an emergency call directly at the point of origin, most often in the bathroom or toilet of a bedroom. The installation ensures that staff must arrive at the scene of the incident, which increases patient safety.

Technical specifications

Dimensions: 82 x 82 x 23mm
Weight: 70g
Power supply: 24V
Maximum power consumption: 0.25W

Product photographs

Service terminal (entrance) ET-20

- **Loudspeaker connection to the main terminal**
- **Ideal solution for ward entrances as a doorbell**
- **Possibility of connection with IP camera and LED signaling**

A device designed for loud-speaking communication with the main terminal, usually installed at the entrance door of a department as a bell. In combination with an RFID card reader, it creates a simple access system.

The device supports the connection of a signaling LED light for visual status indication and can be supplemented with a connection to an IP camera, which allows image transmission from the input directly to the main terminal.

The element is intended for installation inside a building.

Technical specifications

Dimensions: 151 x 82 x 23 mm
Weight: 207 g
Power supply: 24 V
Maximum power consumption: 1.8 W

Product photographs

Entrance

Passage identification cancel button CG-20

- **Deactivation of emergency calls at transit points**
- **Ensures targeted personnel intervention at the scene of the incident**
- **Increased safety for patients**

It is used primarily for targeted routing of medical personnel to the location from where the detection of a guarded passage by an unauthorized person with the WB2-G button was activated.
It is placed near doors, e.g. main entrance, side exits, garden entrance, etc.
Medical personnel are then allowed to deactivate the resulting call.
Installing a call cancellation button ensures greater safety for patients by directing medical personnel to the location of the alert.
Antibacterial surface (silver admixture in the plastic material).

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 70 g
Power supply: 24 V
Maximum power consumption: 0.25 W

Product photos

Entrance

Card reader (EM 125 kHZ - MIFARE 13.56 MHz) CR-20

- **Access control using RFID cards or tags**
- **Recording of all passes in the system history (name, time, location)**
- **Simple management of access rights directly in the main terminal**

A simple card and identification tag reader allows access control to individual rooms using identification media. Access rights administration is integrated directly into the main terminal software, and each pass is automatically recorded in the system history.

Technical specifications

Dimensions: 82 x 82 x 23 mm
Weight: 95 g
Power supply: 12 V
Maximum power consumption: 2.5 W

Product photographs

Outdoor terminal (entrance) - 4 buttons OT-4

- **Voice connection with up to 4 main terminals**
- **Possibility of controlling the electric lock of the entrance door**
- **Durable design for outdoor installation, and possibility of connection with an IP camera**

The terminal is designed for voice communication at the entrance to the building and also allows control of the electric lock of the entrance door.

The panel can contain up to four buttons for direct connection to various main terminals (e.g., in individual departments). The design is adapted for outdoor use and is resistant to adverse climatic conditions.

Technical specifications

Dimensions: 109 x 217 x 83 mm
136 x 242 x 83 mm with frame
Weight: 1350 g
Power supply: 12 V
Maximum power consumption: 10 W

Product photographs

Outdoor terminal (entrance) - 8 buttons OT-8

- **Voice connection with up to 8 main terminals**
- **Possibility of controlling the electric lock of the entrance door**
- **Durable design for outdoor installation, and possibility of connection with an IP camera**

The terminal is designed for voice communication at the entrance to the building and also allows control of the electric lock of the entrance door.

The panel can contain up to eight buttons for direct connection to various main terminals in individual departments. The design is adapted for outdoor installation and is resistant to adverse climatic conditions.

Technical specifications

Dimensions: 109 x 217 x 83 mm
136 x 242 x 83 mm with frame
Weight: 1350 g
Power supply: 12 V
Maximum power consumption: 10 W

Product photographs

Entrance

Identification card (EM 125 kHZ) IK-07

- **Fast contactless user identification using RFID**
- **Compatibility with system readers and terminals**
- **Clear identification of the holder thanks to a unique code**

A contactless RFID card of the EM4100 standard (125 kHz) is used to identify the user in the system. After being read on a reader or a room terminal with a reader, the system recognizes the identity of its holder.

Technical specifications

Dimensions: 55 x 85 x 1mm
Weight: 2g

Product photographs

Identification tag (EM 125 kHZ) IR-07

- **Contactless user identification using RFID**
- **Practical key fob design for convenient use**
- **Full compatibility with system readers**

The contactless RFID tag of the EM4100 standard (125 kHz) is used to identify the user in the system in the same way as an identification card.

Thanks to its compact design, it can be easily attached to keys, reducing the risk of loss.

Technical specifications

Dimensions: 35 x 30 x 4 mm
Weight: 15 g

Product photographs

Entrance

Silicone identification chip bracelet IB-07

- **Contactless identification using RFID technology**
- **Waterproof and durable silicone design**
- **Universal size with adjustable closure for comfortable wear**

The contactless RFID silicone bracelet MIFARE S50 (13.56 MHz) is used to identify the user in the system, similar to an identification card or pendant.

Thanks to its waterproof and durable design, it is also suitable for more demanding operations, such as wellness or medical facilities.

Technical specifications

Dimensions: 235 x 18 x 6 mm
Weight: 160 g

Product photographs

Entrance

IP camera CAM

- **Wall or ceiling mounting possible**
- **Live image transmission without recording**
- **Multiple power options**

The IP camera allows you to transmit live images from a selected location directly to the main terminal, without recording, after activating the call. It is most often installed at the entrance door to the department and mounted on the wall or ceiling using its own bracket.

Power supply is most often provided using a commercial PoE adapter (max. 15 W), or using a 24V system power supply or a 12V DS module - depending on the type of camera used.

Technical specifications

Dimensions: 92.6 x 92.6 x 79.5 mm
Weight: 500 g
Power supply: 230 V (24V)
Maximum power consumption: 15 W

Product photographs

Gate transmitter antenna GT1-A

- **Transmission of a controlled magnetic field**
- **Range up to 4 m when using two antennas**
- **Possibility of extending the range up to 10 m**

The antenna offers a standard range of 1.5 m, which can be extended to 4 m for wider passages by connecting two units in synchronous field mode. The antenna is mounted to the device to prevent patient and client escape.

For wide entrances, driveways, or outdoor passages, the antenna can be replaced with a ground wire loop, which, in combination with one electronics provides an even greater range of up to 10 m.

The device is suitable for installation in areas, entrance zones, and exteriors where reliable and controlled magnetic field coverage is needed.

Technical specifications

Dimensions: 200 x 40 x 25 mm
Weight: 250 g

Product photographs

Accessories

Paging transmitter PGS-5W

The device is used to send text messages (e.g., when a call is made or when passing through a zone) to the staff's pocket pager receivers. The transmitter operates in the UHF 450 MHz band and can centrally service up to 20 departments. The range in the building is approximately up to 100 m (at 1 W power).

Technical specification

Dimensions: 240 x 190 x 90 mm
Weight: 1130 g Power supply: 230 V
adapter 12 V

GSM interface GSM-SMS IP

Device for sending informational SMS messages (e.g., when a call is made or a zone is passed) to preset phone numbers. It is installed in a place with a good mobile operator signal. One GSM interface can serve up to 30 departments.

Technical specification

Dimensions: 240 x 190 x 90 mm
Weight: 1300 g Power supply: 230 V
adapter 12 V

Repeater (pro DECT)

The repeater is used to extend the range of DECT cordless phones by approximately 20-30 m, depending on building conditions. It is installed vertically in a location that is still within range of the base.
One repeater can serve a maximum of 2 mobile phones. Up to 6 repeaters can be connected to one DECT base. The repeater cannot be registered to multiple bases at the same time.

Technical specification

Dimensions: 131 x 111 x 15 mm
Weight: 120 g Power supply: 230
V/50 Hz Max. power consumption: 5
W

Gate transmitter electronics module GT1-M

Gate transmitter: Electronics for controlling passage through the gate. This gate transmits its address at 125kHz. If this transmission is received by the WB2 bracelet (the patient enters the transmitted field of the gate), it sends a message to the HCC-017 IP system (via the WR-T1 receiver). The system then evaluates (according to the settings) whether this client can pass through this controlled area and starts or does not start the “escape through the gate” call with the identification of the gate and the client in question.
This gateway is standalone, i.e., it is only connected to the power supply

Technical specification

Dimensions: 115 x 90 x 25 mm
Weight: 105 g

Power supply + local server PS-07 IP

The device contains two central power supplies and a local server that ensures system management and operation. The 24 V power supply supplies up to 72 end elements, and the second supply provides 9 V for powering the electric locks.
The local server provides system configuration management, remote management, diagnostics, and automatic backup. It also allows audio streaming (analog sources or internet radio), connection of RFID readers, control of electric locks, and VoIP/SIP communication. The device is designed for installation in a data rack (3U).

Technical specification

Dimensions: 500 x 170 x 270 mm
Weight: 6,600 g Power supply: 230 V Max. power consumption: 300 W

Auxiliary power supply NZ-240/24V

Power supply designed to power up to 24 end devices. Used as a system capacity extension or as a secondary power supply in large installations where local power is more advantageous.
The device is intended for installation in a data cabinet, has passive cooling, and includes protection against short circuit, overvoltage, overcurrent, and overheating.

Technical specification

Dimensions: 244.2 x 68 x 38.8 mm
Weight: 1300 g Power supply: 230 V
Max. power consumption: 240 W

UPS backup power supply UPS1200VA

The backup power supply ensures the operation of the communication system in the event of a 230 V power failure or instability. This allows the system to remain operational for a limited period of time.
It is advisable to choose a specific type and capacity according to the size of the installation - for example, the mentioned type will ensure the operation of a medium-sized department (approx. 60 elements) for 15–20 minutes.

Technical specification

Dimensions: 275 x 85 x 390 mm
Weight: 9900 g Power supply: 230 V
Power: 900 W Capacity: 1200 VA

Distribution panel 8x230V PDP 19"/1U

The panel is designed to power devices in a data distribution cabinet (e.g., server, switch, router). It occupies 2U positions and can be equipped with up to 8 230 V outputs.
It also allows the central power to be turned off using the red power switch on the front.

Technical specification

Dimensions: 485 x 43 x 45 mm
Weight: 1000 g

Universal shelf US 19"/1U

Shelf designed for placing additional devices (e.g., router, server, power supply). It is installed in a 19" data rack and occupies a 1U position. It allows the placement of approximately 2-3 devices.

Technical specification

Dimensions: 483 x 43 x 184 mm
Weight: 775 g

Wall-mounted, rack-mounted data distribution cabinet

The data distribution cabinet is used to install active system elements (e.g., server, switch, power supplies). It is available in wall-mounted or rack-mounted versions, depending on the scope of the installation.
It is placed in a technical room inside the building and allows the connection of end elements up to 90 m away. The recommended minimum depth is 400 mm, and the size is selected as needed with a reserve for other equipment.

Technical specification

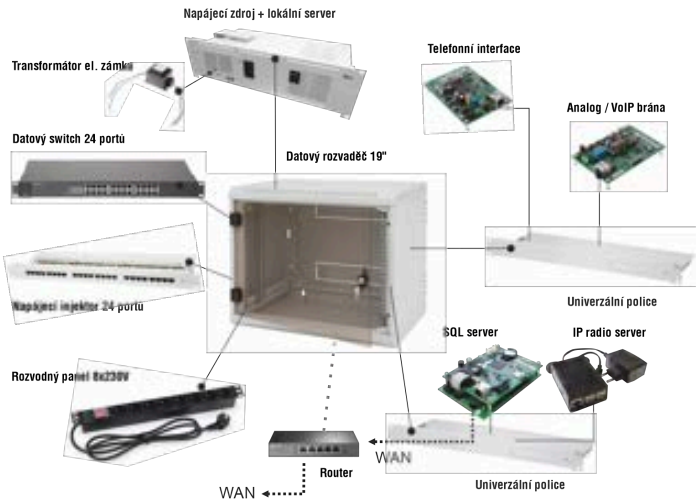
Dimensions of wall-mounted cabinets:
RA-07/6U
600 x 370 x 395 mm
Weight: 13,900 g

RA-07/9U
600 x 500 x 395 mm
Weight: 16 500 g RA-07/12U
600 x 635 x 395 mm
Weight: 19,500 g

RA-07/15U
600 x 770 x 395 mm
Weight: 22 200 g RA-07/15U
600 x 770 x 395 mm
Weight: 22,200 g

Technical specification

RA-07/18U
600 x 900 x 600 mm
Weight: 42,000 g RA-07/22U
600 x 1080 x 600 mm
Weight: 47 000 g RA-07/27U
600 x 1300 x 600 mm
Weight: 54,000 g RA-07/42U
600 x 1970 x 600 mm
Weight: 75,000 g



Router RB-07 IP

It ensures a conflict-free and secure connection of the local LAN network of the communication system to the hospital Ethernet WAN network. The specified connection is necessary to ensure cooperation with the SQL database server or with the IP radio server. The router function can be replaced (after agreement with the IT administrator) by setting the port properties (router function) of the “intelligent” switch in the hospital's WAN network. The router usually requires professional settings in cooperation with the IT administrator of the superior network (after agreement with the IT administrator).

Technical specification

Dimensions: 158 X 101 X 25 mm
Weight: 251 g Power supply: 230V
Max power consumption: 5W

IP radio server IPRS

It is a separate device that ensures the reception of Internet radios from the Internet and their distribution to individual departments. It allows the processing and distribution of up to 10 Internet radios. Inpatient departments must have access, always via a separating router. The IP radio server must be located in the superior WAN network. Note: Internet radios require Internet connectivity of up to 320 kb/s for their operation. The final number of stations used must always be consulted with the hospital's IT department with regard to the capacity of the Internet network connection. Power is provided by a 5V/1A power adapter (included in the package) from a 230 V network.

Technical specification

Dimensions: 61 x 90 x 31 mm
Weight: 251 g Power supply: 5 V
Max. power consumption: 15W

Large SQL database server (up to 30 partitions) SQLS/1U

There is usually only one within the entire hospital complex. The internal memory capacity allows you to connect up to 30 bed wards.
It stores a history of events from all departments (call types, time records of staff registrations in rooms, etc.). The capacity is sufficient for approximately 20 million records.
After this capacity is filled, the records are automatically deleted from the end (approx. 50,000 records) to free up space for new records. The server provides the recorded data to superior information systems (e.g., using the "MySQL ODBC connector"), or it is possible to view this data directly and further process it using a software license on a PC.
Individual inpatient departments must always have access to the SQL server via a separate router (for security reasons, direct connection of the local network of the communication system to the hospital Ethernet network is not permitted).
The database server must be located in the superior WAN network.
We recommend using a 230V backup uninterruptible power supply circuit for the power supply.
The server can be powered locally from a 24V DC source or from a 230V mains using a 12V/1A power adapter (included).

Technical specification

Dimensions: 483 x 43 x 184 mm
Weight: 1325 g Power supply: 24 V
Max. power consumption: 15 W

Power injector 7 ports POE-7

The device is used to power end devices via a UTP cable using passive PoE technology (power and data via a single cable). It allows the connection of up to 7 devices and is used mainly in distributed installations outside the central distribution board. Each output is protected by an electronic fuse, and the device also allows powering a connected switch.

Technical specification

Dimensions: 146 x 87 x 15 mm
Weight: 120 g Power supply: 24V,
Max. power consumption: 25 W

POE 8/19", POE 16/19" and POE 24/19" power injector

The power injector is used to supply 24 V to end devices using passive PoE technology, where both power and data transmission are carried out via a single UTP cable. It allows the connection of 8, 16, or 24 devices, depending on the variant. The device is intended for installation in a 19" data rack (1U). Each output is protected by an electronic fuse, and the power supply must be correctly dimensioned according to the number of connected elements.

Technical specification

Dimensions: 483 × 43 × 122 mm
Weight: 750g (8 ports) / 860g (16 ports) / 975g (24 ports)
Power supply: 24 V, Max. power consumption: 72 W

Power injector 1 port

The power injector is used to power the sister terminals.

Technical specification

Dimensions: 160 x 102 x 29 mm, Weight: 460 g Power supply: 24V, Max. power consumption: 6 W

Data switch 8 ports SWI-8/12 A SWI-8/5

The 8-port data switch is used to connect devices in an Ethernet network. The manufacturer supplies proven types of devices ensuring reliable operation of the entire system.
The switch allows power supply from a 12 V module or 5 V from a common 24 V distribution, or using its own power adapter.

Technical specification

Dimensions: 160 x 102 x 29 mm, Weight: 460 g Power supply: 24V, Max. power consumption: 6 W

Active data switch 8 ports - 150W

The 8-port data switch is used to connect devices in an Ethernet network.

Technical specification

Dimensions: 160 x 102 x 29 mm, Weight: 460 g Power supply: 24V, Max. power consumption: 6 W

Active data switch 24 ports - 200W

The 24-port data switch is used to connect devices in an Ethernet network.

Technical specification

Dimensions: 483 x 43 x 170 mm
Weight: 1,730 g Power supply: 230V, Max. power consumption: 20 W

Active data switch 24 ports - 370W

The 24-port data switch is used to connect devices in an Ethernet network.

Technical specification

Dimensions: 483 x 43 x 170 mm
Weight: 1,730 g Power supply: 230V, Max. power consumption: 20 W

Data switch SWI-24/19"

The 24-port data switch is the basic element of the system's Ethernet network. It is installed in a 19" data rack (1U) and ensures the connection of individual devices.
The device is powered by a 230 V network, and the manufacturer supplies proven switch types to ensure reliable system operation.

Technical specification

Dimensions: 483 x 43 x 170 mm
Weight: 1,730 g Power supply: 230V,
Max. power consumption: 20 W

Light relay LR-06

Two-channel relay designed for controlling lights and other 230 V devices (e.g., bulbs, blinds). It operates with a control voltage of 12 V and has galvanically isolated outputs.
When switching some types of luminaires (e.g., fluorescent lamps without an electronic starter), it is necessary to use an external power relay. The installation must be carried out professionally, as the device operates with a voltage of 230 V.

Technical specification

Dimensions: 140 x 54 x 32 mm
Weight: 200g
Power supply: 230 V
Max. power consumption: 5 W

Modul DC 5V, 12V

The module is used to convert 24 V to 12 V or 5 V for powering an external data switch. A power cable with a connector for direct connection is included.
It is installed in the power injector into the designated connector.

Technical specification

Dimensions: 50 x 25 x 20 mm Weight: 50 g
Power supply: 24 V Max. power
consumption: 15 W, 10 W

Modul DS 5V, 12V

The module is used to convert voltage from a common 24 V distribution to 12 V or 5 V for powering devices.
It is equipped with a screw terminal block for connecting wires (24 V input, 12 V / 5 V output) and is not intended for installation in a power injector.

Technical specification

Dimensions: 50 x 25 x 18 mm
Weight: 50 g Power supply: 24 V
Max. power consumption: 15 W, 10 W

Electromagnetic lock ELM2

Built-in electromagnetic lock designed for remote door opening. It is powered by alternating voltage as standard and is open in the idle state without power.
The device allows the control of up to 4 doors, with each lock requiring a separate power supply. Installation requires professional assembly, usually provided by the door supplier.

Technical specification

Dimensions: 75 x 30 x 21 mm
Weight: 300g
Power supply: 12V
Max. power consumption: 6 W

24V power supply terminal block with TF electronic fuse

The terminal block is used to connect data cables (FTP, UTP) and wires with a small cross-section to 24 V power wires with a larger cross-section (2.5–4 mm).
It contains an electronic fuse that limits the short-circuit current on the side of the weaker conductors to a maximum of 200 mA.

Technical specification

Dimensions: 36 x 21 x 22 mm Weight: 13.25 g
Power supply: 24 V

Analog telephone interface TI-07 IP

The device enables the transmission and display of all types of calls on an analog DECT telephone, including caller identification (CALL ID). It also enables voice communication with the caller directly via the telephone.
In idle mode, it is pass-through to a regular telephone line, so the DECT phone can be used as a standard office phone.

Technical specification

Dimensions: 120 x 80 x 18 mm
Weight: 370 g Power supply: 24 V
Max. power consumption: 5 W

Analog/VoIP gateway AG-07 IP

The device is used to connect an analog telephone line to a communication system. It enables call transfer from the telephone network to the patient's bedside.
One call can be made at a time in one department. In idle mode, it is a pass-through to the telephone line, and the connected telephone can be used as a regular office device.

Technical specification

Dimensions: 120 x 80 x 18 mm
Weight: 80 g
Power supply: 24 V
Max. power consumption: 5 W

Serial IO IP DISAPPOINT module

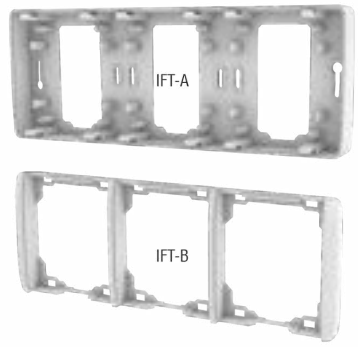
Universal module for connecting external devices via RS232 and RS485 interfaces. Allows integration of e.g., GSM interface, paging transmitter, or wireless system.
It can also work independently as an RS232/RS485 to Ethernet converter.

Technical specification

Dimensions: 80 x 120 x 18 mm Weight: 325 g
Power supply: 24 V Max. power
consumption: 5 W

Triple installation frame, lower IFT-A, upper IFT-B

The frame is used to mount up to three system elements (e.g., room terminals, patient sockets, service terminal). It allows for a flexible combination of different devices in one installation location.
The surface is antibacterial with an admixture of silver.



Technical specification

Dimensions: 220 x 82 x 33 mm
Weight: 99 g

Single distance reducer DR15 x 1

The washer is used to offset the height of sockets and terminals when mounted on a wall. It is used especially in cases where the installation is carried out without recessed installation boxes (e.g. in trunking systems).

Technical specification

Dimensions: 82 x 82 x 15 mm
Weight: 68

Double distance reducer DR15 x 2

The washer is used to offset the height of terminals and sockets when mounted on a wall. It is used mainly for installations without flush-mounted installation boxes (e.g. for trunking).

Technical specification

Dimensions: 151 x 82 x 15 mm Weight: 105 g

Distance reducer for service terminal

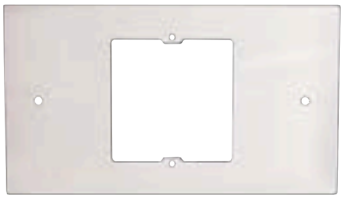
The washer is used to offset the height of the terminals when mounted on a wall. It is used mainly for installations without flush-mounted installation boxes (e.g., for trunking).

Technical specification

Dimensions: 148 x 116 x 19 mm

Sheet metal reduction, simple KZM-04

The washer is used to cover the original holes after dismantling the older equipment. It is used when installing new elements where it is necessary to maintain the original location and existing wiring.



Technical specification

Dimensions: 160 x 90 x 2 mm
Weight: 88 g

Double sheet metal reduction KZM-05

The washer is used to cover holes after dismantling the original equipment on atypical installation boxes. It is used where it is necessary to preserve the original location and existing wiring.

Technical specification

Dimensions: 160 x 160 x 2 mm
Weight: 188g

Sheet metal reduction blind cover KZM-02

It ensures the covering of the original holes after dismantling the obsolete device, in case a new element is not reinstalled in this place.

Technical specification

Dimensions: 140 x 90 x 2 mm Weight: 100 g

Installation box - box with lid KO 125

The box is used for fastening elements and exiting wires. It allows the lid to be adjusted to a horizontal position and easy handling of cables, thanks to the possibility of breaking out the side panel.
It is used as a branch or termination installation box, e.g., to bring power to a data distribution cabinet.

Technical specification

Width: 150 mm Height: 150 mm
Depth: 73 mm Weight: 320 g

Installation box - box with lid KT 250 KB

The box is used for fixing elements and for the outlet of wires. It is equipped with clamping grooves on the bottom and is also suitable for surface mounting.
It is mainly used in distributed cabling, e.g., to accommodate an 8-port switch and a 7-port power injector.

Technical specification

Width: 205 mm Height: 255 mm
Depth: 66 mm
Weight: 673g

Surface mounting box GW 44

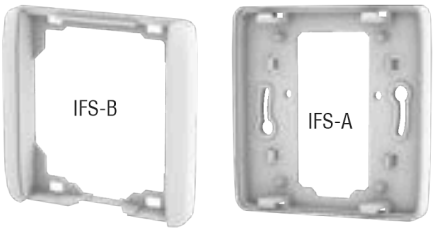
The box is used for fastening elements and conductor outlets in busbar distribution boards. It is intended for surface mounting as a replacement for the KT 250 and KO 125 E installation boxes. There are clamping grooves on the bottom for attaching elements; the box does not have pre-molded inputs.

Technical specification

Width: 240 mm Height: 190 mm Depth: 90 mm Weight: 540 g

Single installation frame, lower IFS-A, upper IFS-B

The frame is used to mount the electronics of various system elements (e.g., terminals, buttons, sockets, lights, or readers). It enables their uniform and clear installation.

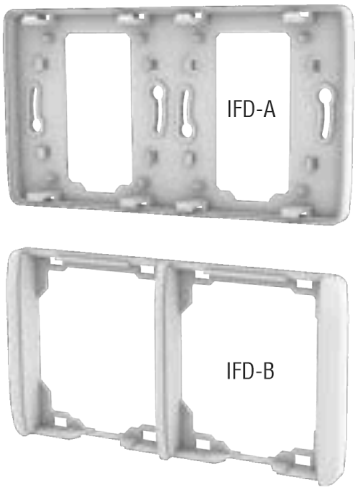


Technical specification

Dimensions: 82 x 82 x 23 mm
Weight: 35 g

Double installation frame, lower IFD-A, upper IFD-B

The frame is used to mount two system elements (e.g., room terminals, patient sockets, or service terminals). It allows for a flexible combination of devices in one installation location. The surface is antibacterial with an admixture of silver.



Technical specification

Dimensions: 151 x 82 x 23 mm
Weight: 57 g

Power cable 2xCYA 1x2.5

Single-core conductor with a stranded copper core and PVC insulation, designed for fixed installation in distribution systems, devices, and switchboards. Suitable for use in dry environments. The rated voltage is 450/750 V. For installations with increased requirements, it is necessary to select a cable according to applicable standards.

Technical specification

Cable diameter: 3.9 mm Weight: 36 kg/500 m

Power cable CYKY 3x2.5

Power cable with solid copper conductors and PVC insulation, designed for fixed installation in the ground, wall, plaster, cable trays, or in the air without mechanical stress.
The sheath is made of black PVC. For more demanding installations, it is necessary to select a cable according to applicable standards.

Technical specification

Cable diameter: 9.5 mm
Weight: 85 kg/500 m

Unshielded data cable UTP CAT5E LSOHFR B2ca s1a,d0,a1

Unshielded installation cable of category Cat5e. Designed for the operation of Ethernet protocols, including 2.5GBASE-T and 5GBASE-T.
Halogen-free and flame-retardant design (B2ca) suitable for demanding indoor installations.
For special installations, it is necessary to choose according to valid standards.

Technical specification

Reaction to fire class: B2ca -S1a,d0,a1
Cable diameter: 5.4 mm
Weight: 39.3kg/km

Unshielded data cable UTP Cat.6 B2ca s1,d1,a1

Unshielded installation cable of category Cat6e. Designed for the operation of high-speed protocols 2.5GBASE-T and 5GBASE-T.
Halogen-free and flame-retardant design (B2ca) suitable for demanding indoor installations.
For special installations, it is necessary to choose according to valid standards.

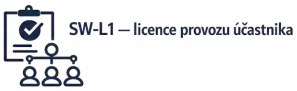
Technical specification

Reaction to fire class: B2ca -S1,d1,a1
Cable diameter: 6.6 mm
Weight: 53.9 kg/km

Software a licence

SW-L1 – participant operating license

License enabling login and registration of end devices (e.g., patient sockets) to the VoIP registration server.



SW-MT – license for the main terminal

License for logging the main terminal into the VoIP server and activating the functions required for its operation. A separate license is required for each terminal.

SW-HC – call history

License allowing recording and viewing of call history on the main terminal and on the sub-terminal (date, time, location, call type). A database server is suitable for advanced data work.

SW-SQLHV – history viewer and supervision

PC software enabling remote system monitoring, call history viewing, and data management. Requires a connection to a database server and is compatible with Windows OS.

SW - activation of combined operation SW-AW

License for activating the associated system operation.
It allows the connection of multiple departments into one functional unit and more efficient operation (e.g., night operation).

SW – license pro IP camera SW-CAM

License for image transmission from an IP camera to the main terminal.
A separate license is required for each camera.

SW – wireless module SW-WR

Wireless calling activation license.
It provides signal processing from wireless buttons.

SW – license for service terminal

License for logging a service terminal into the VoIP server and activating the functions required for its operation. A separate license is required for each terminal.

SW - license for sister terminal

License for logging a sister terminal into the VoIP server and activating the functions required for its operation. A separate license is required for each terminal.

Reference

Ease of use for the end user

We decided to collaborate with Codaco on the Gerion system due to the ease of installation of the system's wiring, the quality of its in-house electronics manufacturing, its ease of use for the end user and its multilingual capability for our market. We were impressed by the system’s robustness and reliability.

GERION SOLUCIONES ASISTENCIALES
Spain & Latin America

Stable, user-friendly system ensuring reliable communication and enhanced patient safety

We choose the Codaco Nurse Call System for its stability, user-friendly interface, and easy integration with hospital infrastructure. It ensures reliable communication between patients and staff, enhancing safety, with excellent ongoing support from the Codaco team.

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SALES SERVICE DEPARTMENT:

Codaco Electronic s.r.o.

Hemy 825, 757 01 Valašské Meziříčí

Email: sales@codaco.cz